

STATE LIBRARY
OF
MASSACHUSETTS.

A.

— Return as Soon as Used. —

A.

352.2 M3

□ 610

1896

A

REPORT OF THE CHIEF

OF THE

MASSACHUSETTS DISTRICT POLICE,

FOR

THE YEAR ENDING DECEMBER 31, 1896,

INCLUDING

THE RESULT OF THE INSPECTION OF FACTORIES
AND PUBLIC BUILDINGS.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.

1897. ·

C.

JAN 27 1897



II 61 W
1896
A

Commonwealth of Massachusetts.

OFFICE OF THE CHIEF OF THE DISTRICT POLICE,
BOSTON, Jan. 1, 1897.

To His Excellency ROGER WOLCOTT, *Governor of the Commonwealth.*

GOVERNOR: — I have the honor to submit a report of the duties performed by the district police for the year ending Dec. 31, 1896.

Very respectfully, your obedient servant,

RUFUS R. WADE,

Chief of District Police.



Digitized by the Internet Archive
in 2013

Commonwealth of Massachusetts.

REPORT.

In accordance with the provisions of the statute establishing the district police, I beg leave to submit to Your Excellency my eighteenth annual report, which, in connection with the facts and statistics herewith submitted, shows what has actually been accomplished by this force during the past year. It is also my duty to make such recommendations as experience in the enforcement of the laws may reasonably suggest.

It is now more than seventeen years since the law was passed establishing the existing system of the district police. My first report shows that the roster then contained nine officers, including the chief. Our principal duties then comprised the enforcement of the laws relating to the hours of labor, the employment of children and inspection of factories and public buildings. For this latter work three officers, including the chief, were designated by the governor, and the rest were employed in the detection and punishment of crime, acting in many instances under the direction of the district attorneys in their respective districts.

An instructive comparison might be made between the reports showing what the district police had done during the earlier years of its work and the report herewith made.

Among the many laws which the inspectors are now called upon to enforce are the following: the laws relating to the hours of labor; the protection of operatives from unguarded machinery; the employment of women and minors; the schooling of children employed in factories and workshops;

the preservation of females employed in mechanical, manufacturing and mercantile establishments ; reports of accidents in manufactories ; safety appliances for elevators ; provisions for escape from hotels and other buildings in case of fire ; proper ventilation for factories and workshops, and uniform meal hours for children, young persons and women employed therein ; the suppression of nuisances from drains, and provisions for water-closets, etc., for the use of each sex employed in factories and workshops, and various other sanitary regulations ; the inspection of buildings alleged to be unsafe or dangerous to life or limb in case of fire or otherwise ; the submission to the inspector for approval of a copy of plans and specifications of any building designed for certain public purposes, as factory, workshop, mercantile structure, hotels, apartment houses, lodging or tenement houses, above a certain height ; communication between engineer's room and each room where machinery is run by steam, in every manufacturing establishment ; proper safeguards at hatchways, elevator openings and well-holes in public buildings, factories and mercantile establishments ; forbidding the use of portable seats in aisles or passageways in public halls, theatres, school-houses, churches, public buildings, etc., during any service or entertainment held therein ; requiring fire-resisting curtains, approved by inspectors, for use in all theatres, etc. ; competent watchmen, lights in hotels, gongs or other proper alarms, and notices posted describing means of escape from fire in boarding and lodging houses above a fixed size, family and public hotels ; fire-escapes on tenement or lodging houses three or more stories in height ; prohibiting during working hours the locking of any inside or outside door of any building where operatives are employed ; public buildings and school-houses, in respect to cleanliness, *suitable ventilation and sanitary conveniences* ; the weekly payment of wages by certain corporations to each of their employees ; the inspection of uninsured steam boilers ; the examination as to the competency of engineers and firemen in charge thereof ; the enforcement of the act relating to the manufacture and sale of clothing made in unhealthy places ; the enforcement of the act relative to the heating of street railway cars ; and the enforcement of the act requiring specifications to be fur-

nished to persons employed in cotton, worsted and woollen factories.

The results achieved by the district police in the earlier years of its existence gained for it the confidence of the Legislature and of the people of the Commonwealth, — a confidence which, I am proud to record, has never been qualified or withdrawn; and, as additional labor legislation, so called, took its place in the statutes, and better knowledge of the measures needed for the protection, comfort and prosperity of the industrial classes was obtained, the work of the force, as will be seen, was vastly increased.

The provisions of the Legislature which define the duties, obligations and powers of the district police have also been greatly enlarged since the enactment of chapter 305 of the Acts of 1879, which established this department.

The entire number of the force at the present time is forty-five. Thirteen officers are designated for service in the detective department; six for the inspection of uninsured boilers and for the examination of engineers and firemen as to their competency to operate the same; two officers are employed in the enforcement of section 44, chapter 508 of the Acts of 1894; the remainder are detailed for duty in the inspection department.

It is but simple justice that I should record my commendation of the officers of this force for the discretion and intelligence shown in their official action. They have retained, as they deserve, the confidence and respect of all law-abiding citizens, and especially court officials, who from personal knowledge have stated that the officers of the detective department of the district police are efficient and upright servants of the Commonwealth.

THE INSPECTION DEPARTMENT.

No form of statistics, however complete, can furnish an accurate description of a year's work of this department. Eliminating matters comparatively trivial, but which cannot properly be disregarded, it may be said that the work of inspection in all its divisions demands the most diligent and incessant labor of the entire force.

The oversight of operatives and machinery, in so far as the statutes relate to them, whether it be the hours of labor, the sanitary conditions under which labor is done, the protection against fire in factories and workshops, the employment of women and minors, the schooling of juvenile workers, and other requirements of law which I need not here mention, must be continuous, to be effective ; so that, in a large sense, however well the inspector may discharge his duty in a particular locality or in a special building, he must not relax his vigilance and conclude that no further attention is needed from him in such places.

The experience gained by the inspectors, some of whom have been connected with the department since its establishment, and all of whom have my confidence as efficient officers, enables them to do better work each year.

INSPECTION OF UNINSURED BOILERS, AND THE EXAMINATION OF ENGINEERS AND FIREMEN IN CHARGE THEREOF.

The experience of another year has made more clear that which was apparent before, — that no more important duty in the line of inspection work is entrusted to this department than the enforcement of the provisions of the following statutes. Certainly no more important legislation for the protection of life has been enacted.

[CHAPTER 418, ACTS OF 1895]

AN ACT RELATIVE TO THE INSPECTION OF STEAM BOILERS.

Be it enacted, etc., as follows :

SECTION 1. It shall be the duty of every corporation, firm or individual, owning or using, or causing to be used, within this Commonwealth, a steam boiler or boilers (excepting boilers upon locomotives, boilers in private residences, boilers under the jurisdiction of the United States, boilers that are under the periodically guaranteed inspection of companies that have complied with all the laws of this Commonwealth, boilers used exclusively for agricultural, horticultural and creamery purposes, or boilers of less than three horse power), within sixty days after the passage of this act, and annually thereafter, to report to the chief of the district police the location of such steam boiler or boilers.

SECT. 2. Each of the boilers designated in section one shall be

inspected by the inspector of boilers for the district in which said boiler or boilers is located, as thoroughly as in the judgment of the inspector is necessary, and if the inspector so directs, it shall be the duty of the owner or user to have the boiler or boilers blown off dry, and the man-hole and the hand-hole covers thereon removed, ready for inspection upon the day designated by the inspector, the inspector giving the owner or user of said boiler or boilers fourteen days notice in writing of the day upon which he will make such internal inspection, provided that such inspection shall not be required oftener than twice a year.

SECT. 3. If upon examination said inspector shall find the boiler inspected to be worthy and in safe working order, with the fittings necessary to safety, and properly set up, he shall grant to the owner or user of such boiler or boilers a certificate of inspection, and upon receipt of such certificate said owner or user shall be permitted to use the boiler or boilers mentioned in the certificate. And if in said inspection the inspector shall find that the boiler is not in safe condition, or not provided with fittings necessary to safety, or with fittings not properly arranged, he shall withhold his certificate until the boiler and fittings are put in condition satisfactory to him; and it shall be unlawful for any owner or user to then operate or cause to be operated such steam boiler until the inspector has granted his certificate, and the owner or user operating such boiler without said certificate may be enjoined from such use, in a proceeding to be had before the superior court or the supreme judicial court, at the instance of the inspector, with the approval of the chief of the district police; and upon the filing of a petition therefor any judge or justice of the court in which said proceeding is pending may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SECT. 4. If upon such inspection the inspector finds that the owner or user of any steam boiler is putting too much pressure upon the same the inspector shall have the power to fix the maximum pressure to be allowed to be carried by said boiler, and shall adopt, and the owner or user shall place or cause to be placed upon said boiler, such device as the inspector shall deem expedient to prevent the boiler from carrying any greater than the maximum pressure designated, said device to be approved by the chief of the district police; and no person shall in any manner tamper with such device, or load the safety valve to a greater pressure than that allowed by the inspector, as hereinbefore provided.

SECT. 5. The owner or user of a boiler or boilers coming under the provisions of this act shall pay to the inspector at each inspec-

tion the sum of two dollars for each boiler inspected. All sums paid as aforesaid shall be paid over by him, monthly, to the treasurer of the Commonwealth.

SECT. 6. The chief of the district police is hereby authorized to adopt such rules and regulations, to be approved by the governor, as may be necessary to properly enforce this act.

SECT. 7. All persons violating any of the provisions of this act shall, upon conviction, be punished by a fine not exceeding five hundred dollars, or by imprisonment not exceeding six months, or both, at the discretion of the court.

SECT. 8. The governor is hereby authorized to appoint three additional members to the inspection department of the district police qualified to perform the duties required by this act, who shall each receive an annual salary of fifteen hundred dollars and their actual travelling and necessary expenses.

SECT. 9. This act shall take effect upon its passage. [*Approved May 29, 1895.*]

The fact that a law controlling the use of steam boilers is upon the statute books has alone been of large benefit in compelling the discontinuance of unsafe boilers. Many boiler owners who were willing to go to extreme risks in using dangerous boilers have shown a disposition to anticipate the inspection of the inspector by keeping the boiler in much better condition than ever before. Some have reasoned that, as the visit of the inspector may come at any time, possibly at a time when they cannot afford to be shut down for any length of time, it is better policy to keep the boiler in good condition, so that the visit of the inspector may not result in the issuing of orders for repairs that might result in a considerable shut-down. It has been the policy of many manufacturers always to keep their boilers in the best condition, but there is a marked increase in the regular care given to their boilers by steam users who have, previous to the passage of this law, been dangerously neglectful in this respect, and some of them almost criminally so. This disposition to recognize that the boilers must be kept in the best condition is a most encouraging feature, and must add greatly to the safety of all working about them, which is a result that was not contemplated when the law was passed. There remains, of course, a considerable class who will let

everything go until forced to make needed repairs by order of the inspector; but I am of the opinion that this class is growing less, and I am encouraged to hope that in a few years it will become simply a matter of course amongst these men to maintain their steam plants in a safe condition, of their own volition, without direct orders from the inspectors of this department, but by the recommendation of their own engineers. The fact that the engineers will be a better class of men in the future will also assist in this direction; but having a good engineer will not answer alone, for, in such cases where repairs are made only upon order of the inspector, no attention would be paid ordinarily to the simple recommendation of an engineer. It is quite a frequent occurrence for an engineer to report to the inspector the appearance of a dangerous defect in his boiler, which he has been totally unable to make his employer heed. He believes the boiler to be in a dangerous condition, yet his need of employment and the difficulty of getting work compels him to submit himself to the risk he knows should not be allowed to exist. Most of these reports are made with the understanding that the employer is not to know that complaint has been made, for that would cost the engineer the position he can ill afford to lose, and in investigating the case the inspector is obliged to do so in such a manner as will not bring suspicion upon the employee. Some of these cases have not been as dangerous as the engineer feared, some not at all; but many have been actually and positively dangerous, and need immediate attention. As it becomes recognized, however, that the inspections of the department will become more regular in time and more frequent, attention to these recommendations of the engineer having the boiler in charge will be more frequently paid, safer boilers insured, defects promptly remedied, and the work of the department made easier in carrying out the object for which the law was passed.

The large number of men to be examined for licenses as engineers or firemen has made it impossible to inspect as many boilers as was expected would be done. In deciding whether many boilers should be inspected, or the engineers examined, it seemed to me wiser to examine the men first.

The license law placed so many difficulties in the path of an engineer without a license, in regard to obtaining work, that much hardship would result if there should be any considerable delay in the issuing of licenses. When this work is finished greater attention than ever will be paid to the boilers, which are in number estimated about as before, some being under the care of the insurance companies, while others have allowed the insurance to expire, and asked to be inspected by the inspectors of this department.

Another point to which particular attention is called is the important matter of second-hand boilers. There are dealers in second-hand machinery who will not allow a boiler to leave their hands until they know it is perfectly safe for the work it is to do. The reports of the inspectors show that there are others who wilfully or ignorantly allow boilers that are totally unfit for use to be sold to unsuspecting purchasers. These are boilers that have previously been condemned by other parties and thrown out of use, only to be re-leaded and painted, to sell to some other steam user; and, as the boiler might be in use some time before the inspector discovers it, considerable danger here exists. An inspector of this department might condemn a boiler as unfit for use, and the boiler be removed. He has no authority to mutilate the boiler in any way, and that boiler could be sold to the junk heap and be painted and come again into use in the same or a neighboring city. I believe that there is ample authority given in the present law to fully control this matter; and a set of rules to govern the matter of second-hand boilers will be formulated, and submitted as the law directs for Your Excellency's approval, which will control and follow the output of these second-hand shops, and I expect that much good will result therefrom.

So far the law has worked very satisfactorily and without friction, and appears to be generally endorsed as most excellent legislation. I have not expected that all these matters could be regulated and settled in a short time, but gradually and as speedily as possible to bring all the various channels by which boilers reach the steam user under some supervision, so that not only shall the boilers in use be kept in a perfectly safe condition and run at safe pressures and

with proper appliances, but that new boilers and all boilers sold shall be properly made of approved materials, and be passed upon before they are put into use.

The act relative to the inspection of steam boilers was further strengthened by the following acts, to regulate steam engineering :—

[CHAPTER 471, ACTS OF 1895.]

AN ACT TO REGULATE STEAM ENGINEERING.

Be it enacted, etc., as follows :

SECTION 1. It shall be unlawful for any person to have charge of or to operate a steam boiler or engine in this Commonwealth, except locomotive boilers and engines, boilers in private residences, boilers under the jurisdiction of the United States, and boilers used for agricultural purposes exclusively or of less than eight horse power, unless he holds a license as hereinafter provided ; and it shall be unlawful for any owner or user of any steam boiler or engine, other than those above excepted, to operate or cause to be operated a steam boiler or engine for a period of more than one week without a duly licensed engineer or fireman in charge.

SECT. 2. Any person desiring to act as an engineer or fireman shall make application to so act to an examiner of engineers, upon blanks furnished by the examiner, and if upon examination the applicant is found trustworthy and competent a license shall be granted to said applicant to have charge of or to operate such steam plants as the examiner may find him qualified to have in keeping. Such license shall continue in force for three years unless after proper hearing it is sooner revoked, for intoxication or other sufficient cause, and may be renewed every three years on application to the authority granting the same, or at such time as may be determined by said authority.

SECT. 3. Licenses shall be granted according to the competency of the applicant, and shall be divided into classes as follows :—
First Class. Engineers' licenses of this class shall be unlimited as to horse power. Second Class. Engineers' licenses of this class shall be limited to one hundred and fifty horse power. Third Class. Engineers' licenses of this class shall be limited to fifty horse power. A fireman's license shall be issued to any person who, after having passed an examination, as herein provided, shall have been found competent to take charge of or to operate any steam boiler or boilers. Any person desiring to operate any particular steam plant may so state to the examiner, and he shall be examined as to his fitness to operate that particular plant, and if found competent and trustworthy shall be granted a license, termed

a special license, for that particular plant, and such license shall be in force for three years.

SECT. 4. The fee for examination for applicants for license shall be one dollar, to be paid at the time of the application for examination, and one dollar for each renewal of license. All sums paid as aforesaid shall be received by the examiner, and shall be paid over by him monthly to the treasurer of the Commonwealth if such examiner is a member of the district police, otherwise to the treasurer of the town or city by which such examiner is employed.

SECT. 5. The members of the boiler inspection department of the district police shall act as examiners and enforce the provisions of this act.

SECT. 6. It shall be the duty of the examiners to notify every person operating a boiler or engine mentioned in section one and not included among the exceptions therein specified, to apply for a license under this act and to give such person a reasonable opportunity to take an examination therefor within the town or city in which he is engaged in operating such boiler or engine. The examiner shall issue a license or shall notify the applicant of his rejection within forty-eight hours after his examination.

SECT. 7. Any person dissatisfied with the action of an examiner in refusing or in revoking a license may appeal to the chief of the district police, whose decision shall be final.

SECT. 8. Whoever, after being notified as provided in section six, intentionally violates the provisions of section one of this act shall be punished by fine not exceeding three hundred dollars or by imprisonment not exceeding three months.

SECT. 9. This act shall take effect on the first day of August in the year eighteen hundred and ninety-five, and any person applying for a license as engineer or fireman on or before that date shall be deemed to have complied with the provisions of this act until his application is passed upon or rejected by the proper authorities. [*Approved June 5, 1895.*]

[CHAPTER 546, ACTS OF 1896.]

AN ACT CONCERNING THE LICENSING OF STATIONARY ENGINEERS
AND FIREMEN.

Be it enacted, etc, as follows:

SECTION 1. It shall be unlawful for any person to have charge of or to operate a steam boiler or engine in this Commonwealth (except locomotive boilers and engines, boilers in private residences, boilers used under the jurisdiction of the United States, boilers used for agricultural purposes exclusively, boilers of less

than eight horse-power, and boilers used for heating purposes only, provided with a device approved by the chief of the district police limiting the pressure carried to fifteen pounds to the square inch) unless he holds a license as hereinafter provided, and it shall be unlawful for any owner or user of any steam boiler or engine (other than those above excepted) to operate or cause to be operated a steam boiler or engine for a period of more than one week without a duly licensed engineer or fireman in charge: *provided, however*, that every person who has been employed continuously as a steam engineer in this Commonwealth, for the period of five years next prior to the passage of this act, and who files with his application a certificate of such fact under oath, accompanied by a statement from his employer or employers, verifying the same fact, shall be entitled to a license without further examination.

SECT. 2. Any person desiring to act as an engineer or fireman shall make application to so act to an examiner of engineers, upon blanks to be furnished by the examiner, and if upon examination, the applicant is found trustworthy and competent, a license shall be granted to him. Such license shall continue in force for three years, unless for a sufficient cause, affecting the trustworthiness or competency of the person licensed, and after a hearing, the same is sooner revoked; and the said license, unless so revoked, shall at the end of said three years be renewed by an examiner of engineers, upon application, and without examination.

SECT. 3. All applications for licenses shall be accompanied by a fee of one dollar, and a like sum shall be paid for all renewals of licenses. All fees so paid shall be accounted for by the examiners to the chief of the district police, who shall return the same monthly to the treasurer of the Commonwealth.

SECT. 4. The members of the boiler inspection department of the district police shall act as examiners, and shall enforce the provisions of this act, and the governor of the Commonwealth is authorized to appoint two additional inspectors to act as examiners of engineers, under this act, at an annual salary of fifteen hundred dollars and their actual travelling and necessary expenses.

SECT. 5. Any person dissatisfied with the action of any examiner in refusing or revoking a license, may appeal from his decision to the five other examiners, who shall together act as a board of appeal, and a majority of whom shall have power to hear the parties and pass upon the subjects of the appeal. The decision of said majority of the remaining examiners so acting shall be final, if approved by the chief of the district police.

SECT. 6. It shall be the duty of the examiners to notify every person whose names and addresses are known to them, and who

will require licenses under the provisions of this act, to apply for said licenses, and to give such persons a reasonable opportunity to be examined within the city or town where they reside or are employed.

SECT. 7. Whoever intentionally violates the provisions of section one of this act shall be punished by a fine not exceeding three hundred dollars, or by imprisonment not exceeding three months.

SECT. 8. All acts or parts of acts inconsistent herewith are hereby repealed. The provisions of this act, so far as they are the same as those of chapter four hundred and seventy-one of the acts of the year eighteen hundred and ninety-five, shall be construed as a continuation of that chapter and not as new enactments.

SECT. 9. This act shall take effect upon its passage. [*Approved June 9, 1896.*]

Licenses will be graded as follows, as provided by section 3, chapter 471, Acts of 1895 : —

SECT. 3. Licenses shall be granted according to the competency of the applicant, and shall be divided into classes as follows : —
 First Class. Engineers' licenses of this class shall be unlimited as to horse power. Second Class. Engineers' licenses of this class shall be limited to one hundred and fifty horse power. Third Class. Engineers' licenses of this class shall be limited to fifty horse power. A fireman's license shall be issued to any person who, after having passed an examination, as herein provided, shall have been found competent to take charge of or to operate any steam boiler or boilers. Any person desiring to operate any particular steam plant may so state to the examiner, and he shall be examined as to his fitness to operate that particular plant, and if found competent and trustworthy shall be granted a license, termed a special license, for that particular plant, and such license shall be in force for three years.

By the appointment of additional inspectors it is made possible to make such assignments of territory as to promote the efficiency of the service in the certification of engineers and firemen and the vigilant inspection of steam boilers, which it is the object of the law to secure.

Summary of Examinations.

Number of applicants examined,	11,703
Number of licenses issued,	11,493
First class,	1,029
Second class,	1,154
Third class,	1,324
Special,	3,075
Firemen,	4,182
Hoisting,	729
Number of licenses refused,	210
Revoked,	5

Summary of Inspections.

Boilers inspected,	719
Number of defects found,	766
Number of dangerous defects found,	454
Boilers ordered repaired,	155
Boilers condemned,	19

VENTILATION OF FACTORIES, WORKSHOPS, SCHOOL-HOUSES AND PUBLIC BUILDINGS.

Probably no measure for the welfare of the industrial classes has been provided of more immediate and beneficial results than those relating to ventilation and general sanitary improvement. It is surprising, in view of the discussions and investigations which have resulted in much so-called labor legislation, that attention was not earlier called to the bad conditions of air and imperfect drainage so common and pernicious in factories and shops. It was thought that those evils were necessarily incident to such employment, and, if any attempts were made to ameliorate or remove them, the devices were so crude and cumbersome as in most instances to be useless. As soon as the facts were better understood and intelligently presented, suitable legislation, which also embraced school-houses and public buildings, was provided.

In the public school buildings the imperative necessity for better ventilation and sanitary appliances had long been manifest; but it was not until the conviction was forced upon the attention of the proper authorities that overheating and underheating of school-houses and the constant breathing of an atmosphere filled with the germs of disease must

be dangerous to health and life that suitable remedies were sought. Medical authorities of course have long known that something should be done to correct such glaring evils in the construction and management of our school buildings. The strongest argument for the cleanliness, proper drainage and ventilation of such structures comes from them. When the community was awakened to the knowledge that the sanitary condition of many of our school-houses was intolerable, the way was open to suitable legislation.

VENTILATION PRACTICALLY CONSIDERED.

The practicability of ventilating school-rooms admits of no doubt. It is as much a matter of exact knowledge as any problem in engineering or mathematics. It can be done by the aid of power, and may be accomplished by heated shafts or by fans. All dependence on natural ventilation should be abandoned. The system of mechanical ventilation can be relied upon with certainty. By mechanical means a steady inflow of pure air, under all conditions and atmospheric changes, can be secured. The extra expense for power to move air should be recognized, and met without question.

When so many are inquiring how best to secure good ventilation in school and other public buildings, the correct methods gained by years of experience should be made known. In this matter of ventilation there are comparatively but few who have made it a specialty and have felt it necessary to perfect their knowledge. The time has been reached when the importance of ventilation is generally appreciated, and there seems to be a willingness to do something for the health and comfort of the pupils in our public schools, and it would be a misfortune not to achieve some real progress.

Good ventilation consists in the proper arrangement and distribution of the ducts for the incoming and the outgoing of the air, and their relation and correspondence with each other, that the perfect removal of the foul air and the thorough diffusion of the fresh air will be secured. How to supply the occupants of school-rooms or crowded apartments with the proper quantity and quality of air has not always

received the attention its merits demand. Something, however, during the past few years has been done towards an intelligent solution of the problem. To know how much air is needed for a given number of pupils in a school-room and to supply it by exact mechanical measurement is now no secret.

In former reports I have explained some of the methods advocated and in operation in school buildings in the State. One of the methods or systems concerns itself only with supplying air, leaving it to make its way out through ducts provided for that purpose. This is done by means of fans or blowers forcing the air into the room. It is the plenum method. Another system or method advocated is directed to the extraction of the foul air by natural laws, requiring no mechanical means, depending upon the difference between the external and internal temperature, — or, in other words, the *tendency of warm air to rise*.

In our experience of the past eight years we have found that the interior temperature of foul-air ducts is practically the same as that of the room. The changes in the temperature are so frequent and the velocity of the wind so various, that, unless additional heat is applied to the duct, the power of the duct or shaft to draw air from the room will fail in many instances to cause upward motion enough to be measured by the anemometer.

The ways of adapting the means to the end in furnishing to and removing air from crowded rooms are not questions of experiment. The size of ducts, shafts, etc., their location in the rooms and their distribution are not at the present time severe problems. The questions, “Shall the fresh air be taken in at the floor or at the ceiling?” or “Will an upward or a downward movement in the air work to the best advantage?” have been settled upon principles which are available for the practical solution of the problem of ventilation.

For the effective working of any system of artificial ventilation, it is imperatively required that proper provisions should be made to promote air currents in the right direction, and first in the fresh-air inlet, — the supply of fresh, pure air from pure external sources. The size of this fresh-

air inlet is of great importance. In many instances when provided in our public buildings it has been found to be too small. The warming of the incoming fresh air should be considered at this point. Varieties of heating appliances are in use for the purpose of warming the air, two of which I will mention,— the hot-air furnace and the high-pressure or low-pressure steam apparatus.

As I have stated in former reports, the best mode of heating is that in which the air is drawn from without the building and passed through coils of pipe filled either with steam or hot water. Having a supply of fresh air properly warmed and ready for distribution, how should it be delivered to the rooms where it is required? Experience has demonstrated the fact that the best results are obtained by placing the fresh-air inlets six or eight feet above the floor level, and in the walls central in the building. In our observations it has been seen that, where fresh-air inlets are so located and the warm air admitted unimpaired above the heads of the persons occupying the room, a much less supply is needed to secure the freshness of what is breathed than would be necessary if the air were brought first to the feet, to become mixed with foul currents. It has also been observed that there is a better circulation of air when the foul air is drawn to the floor level. To bring fresh air to the face to be breathed before it sweeps the body is quite important.

Of equal importance are the outlets for the removal of vitiated air. Foul-air outlets should be placed as near the fresh-air inlet as practicable, and at the level of the floor. The ducts or pipes conveying fresh air to the room should be of sufficient size and registers ample to admit a large volume of air at a low degree of temperature.

During the past year the requests for information on the subject of heating and ventilating school-houses and other public buildings have been frequent. That all interested in this important subject who may desire the benefit of the experience of this department may have the same, I present in this portion of my report details of construction of different methods of ventilation, submitted to me by the inspectors specially assigned to this scientific branch of our inspection work.

DESCRIPTION OF PLANS FOR VENTILATION OF FOUR-ROOM SCHOOL-
HOUSE, AS DESIGNED BY INSPECTOR JOHN T. WHITE.

In compliance with your request, I have the honor to submit herewith plans for the ventilation of a small school building, showing how the best results have been obtained in such buildings in my district during the last two years. I have adopted a plan very similar to the one made by me for your report of 1894, for the reason that it is for buildings of this class that information is most required by school authorities and local contractors.

In the plans now submitted I have shown how such a building may be heated and ventilated by the use of either steam or furnaces. The heating as shown on the floor plans is by steam, the four principal rooms being heated entirely by indirect radiation, and the corridors, teachers' rooms and sanitariums by direct radiation. There is a foot warmer in the lower corridor floor, but, as the air is taken from the corridor to the radiator, the effect is the same as in direct work.

Most of the larger school-houses are now heated by steam and many of them are ventilated by mechanical means, but in buildings of from four to eight rooms gravity systems are most used, because they are simpler and require less expensive janitor service. This last is in many smaller towns an important matter.

Hot-air furnaces are cheaper than steam in first cost, and if properly set up may not be more expensive in fuel. In the plan shown the small cast-iron sectional boiler is as safe and easily cared for as a furnace, and requires no special skill beyond that possessed by any intelligent janitor.

The plans sufficiently show the general arrangement of the rooms, and in this respect need no description.

On Plate No. 1 is shown a plan of the basement, location of boilers, fresh-air room, fuel room, ventilating chimney and sanitariums.

The sanitariums are of the best modern make, and are ventilated, as shown, by an undergrade duct to a special flue in the chimney.

The large boiler is a steel return tubular, of thirty horse-power. The small one is a sectional cast-iron boiler, of sufficient size to heat all parts of the building except the four main rooms. These boilers are so arranged that the large one may heat the whole building, including the ventilating chimney, or it may be used to heat the school-rooms only, and the other portions be heated by the small boiler. If furnaces are used in place of steam coils for heating the school-rooms, as shown on Plate No. 4, the small boiler will still be used for the other work.

Usually in such buildings there are, in addition to the furnaces required to heat the school-rooms, a separate furnace for the corridors and a "stack heater" for the vent flues; thus there are two additional fires, and an increased danger to the building. By the arrangement shown, the fires are all in one room and remote from the stairways, and in every way safer and easier to care for than as usually planned.

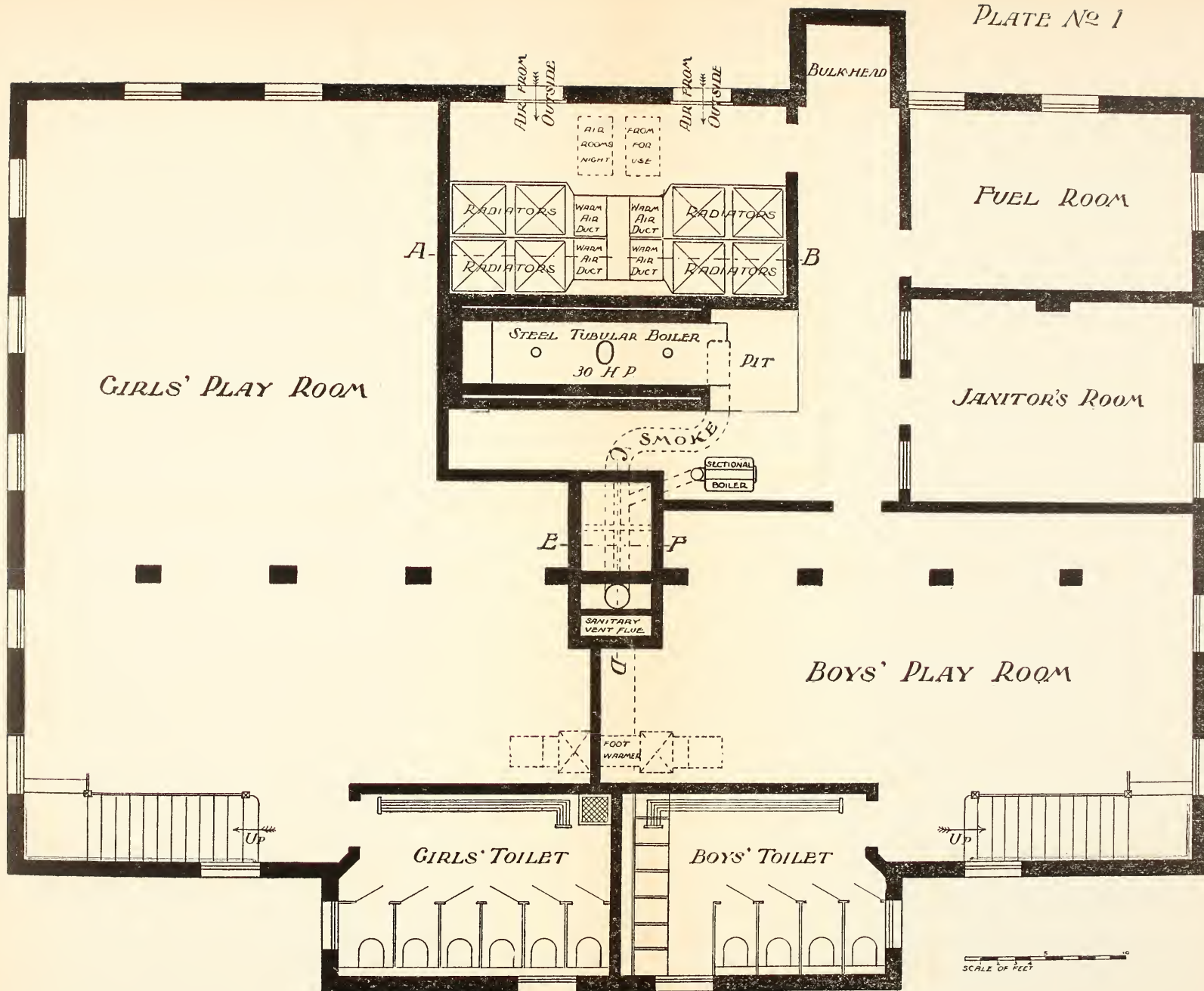
Plate No. 2 shows the plan of the first floor. The ventilating registers from rooms and corridors are shown and marked.

The two registers in the floor of the passage between the school-rooms open directly into the fresh-air room. Under these registers there should be tin-lined trap doors. When the schools are not in session the outside windows to the fresh-air rooms can be closed and these trap doors opened, thus taking the air down to the radiators and returning it, heated, to the rooms. Of course at such times the valves in the ventilating flues should be closed. In this way the building is ventilated only while occupied, about six hours a day, and the heating necessary at other hours is done practically by the direct method, which is the most economical yet devised. There should be from 360 to 400 feet of surface radiation for each school-room, in two separately piped stacks for each room, and from 20 to 25 square feet in each vent flue.

On Plate No. 3 are sectional drawings of the steam coils, warm-air ducts and ventilating chimney. These drawings also show the sizes and arrangement of the warm-air and foul-air ducts, mixing valves and dampers. The scale of feet is marked on each plate.

On Plate No. 4 is a plan of a portion of the basement, showing furnaces in place of the steam radiators, with sectional drawings of furnaces and hot-air ducts. The method of removing the vitiated air from the building is precisely the same, whether the school-rooms are heated by steam or furnaces, the small boiler being used in both cases. There is also shown on this plate a sectional view of the foot warmer.

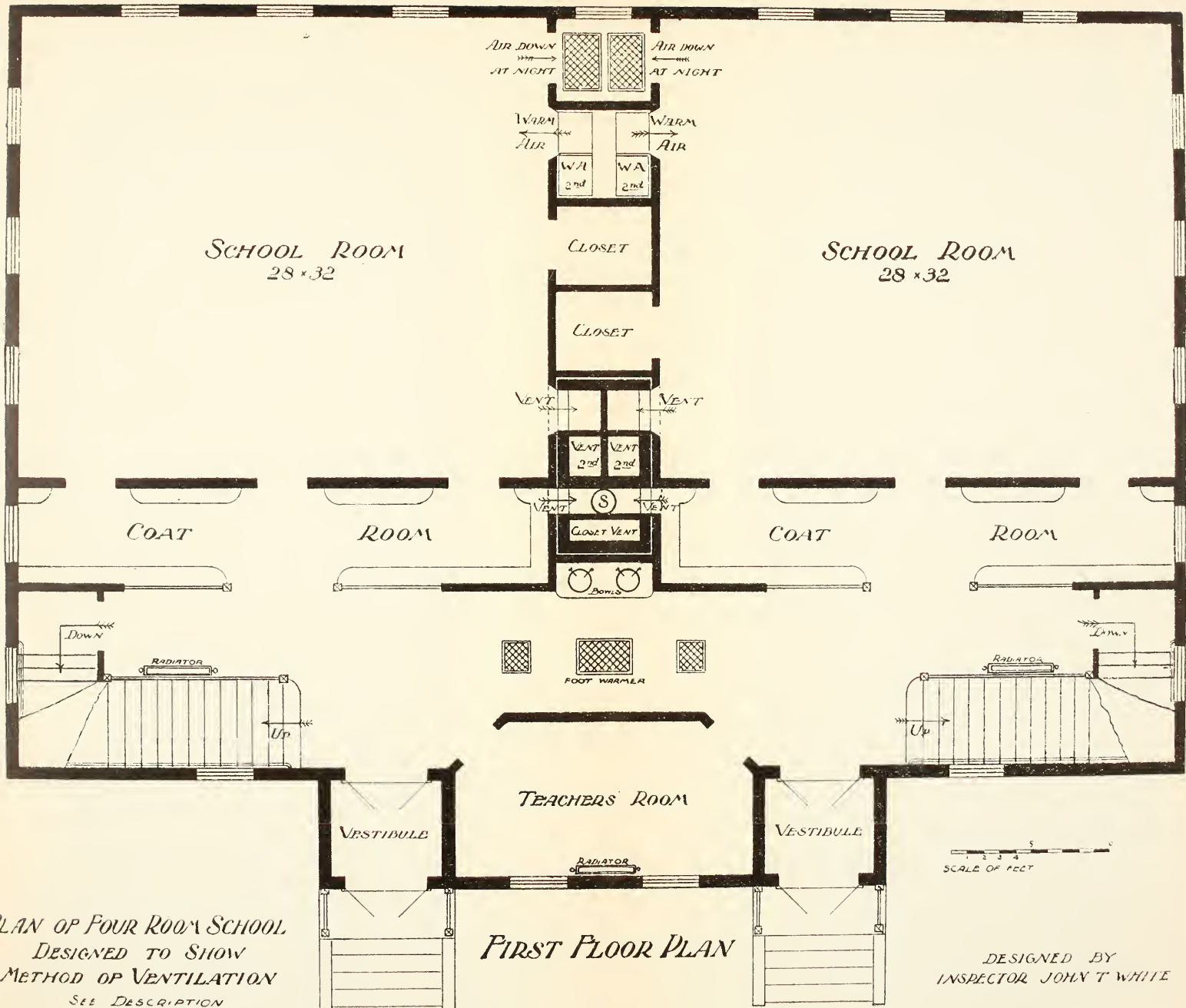
The manner of admitting the outside air to the furnaces or steam radiators, the size, form and arrangement of the ducts and valves and the location of the inlets for fresh air to the rooms and the outlets for foul air are all important, and it should be borne in mind by all parties interested that if the best results are desired in the ventilation of a building the main features of the scheme should be laid out by the architect when the building is planned. It may be as difficult to properly ventilate a building that is planned without regard to such work as it would be to secure good egress from one that was planned without stairways.



PLAN OF FOUR ROOM SCHOOL
DESIGNED TO SHOW
METHOD OF VENTILATION
SEE DESCRIPTION

BASEMENT PLAN

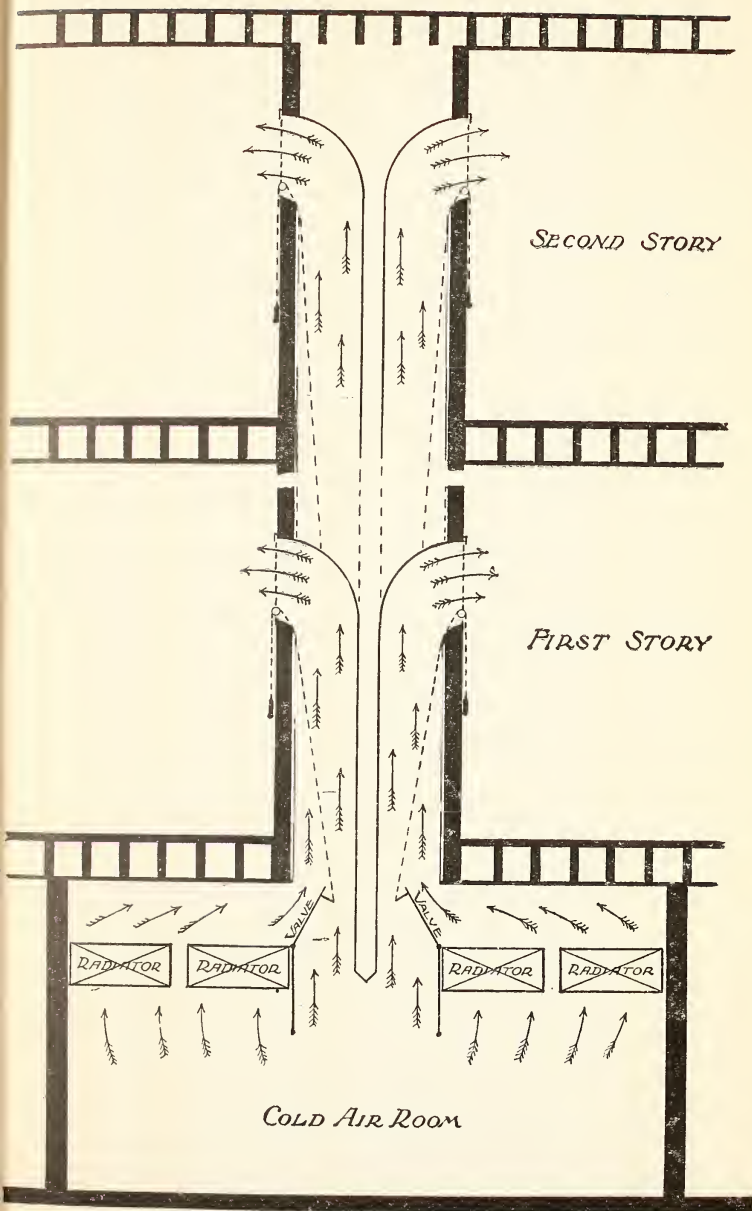
DESIGNED BY
INSPECTOR JOHN T. WHITE



PLAN OF FOUR ROOM SCHOOL
DESIGNED TO SHOW
METHOD OF VENTILATION
SEE DESCRIPTION

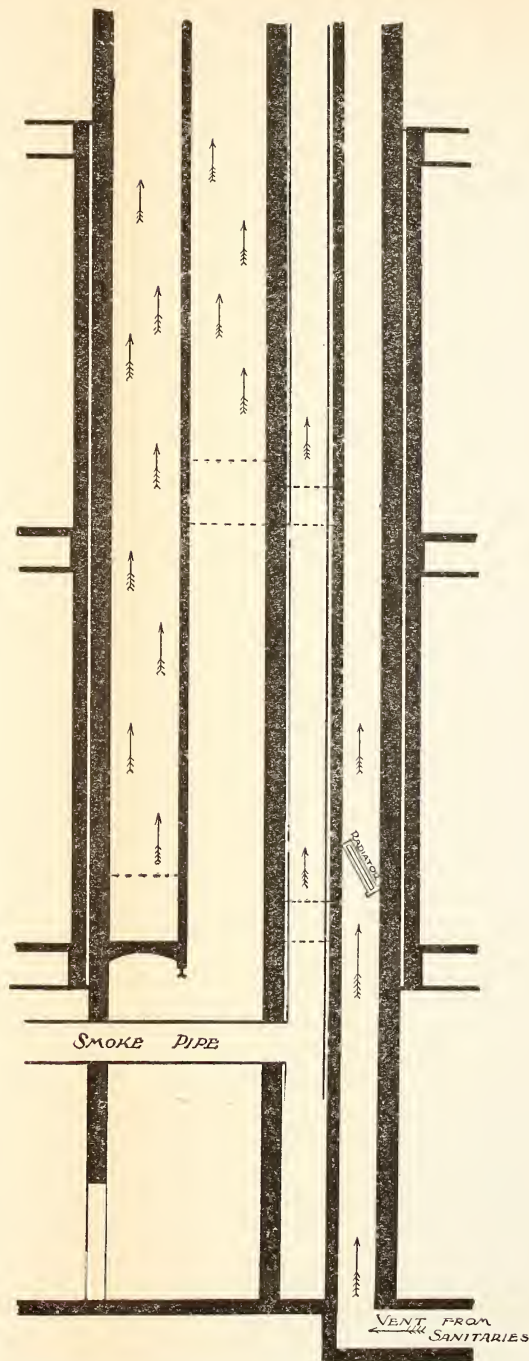
FIRST FLOOR PLAN

DESIGNED BY
INSPECTOR JOHN T. WHITE

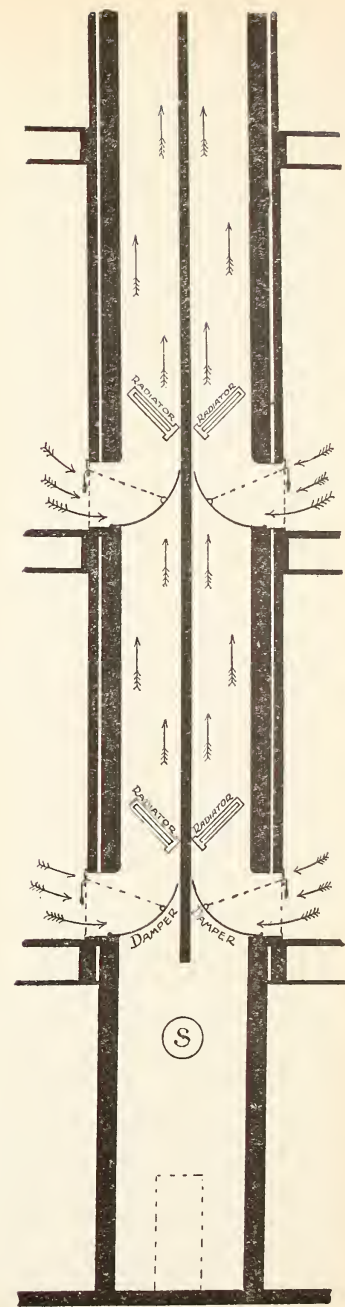


SECTION THROUGH LINE A-B
PLATE 1

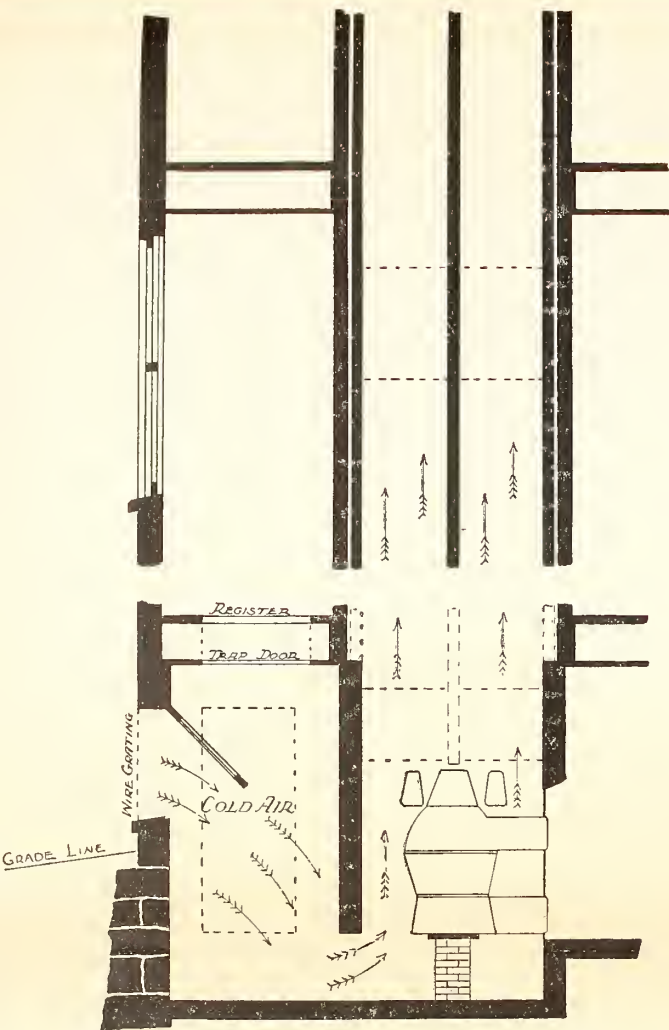
DESIGNED BY INSPECTOR
JOHN T. WHITE



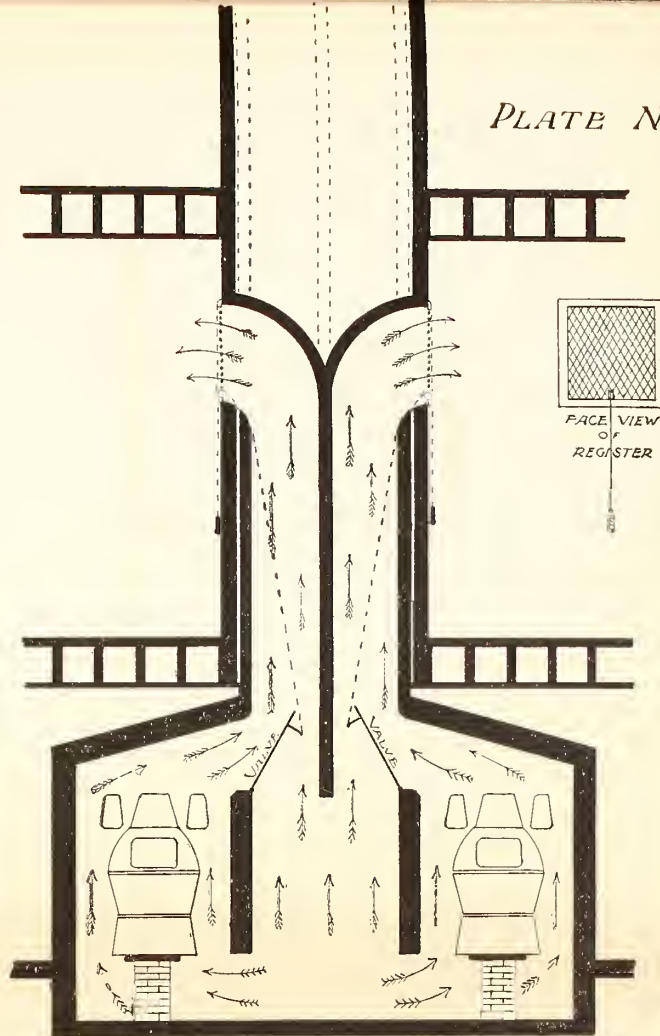
SECTION THROUGH VENT CHIMNEY
ON LINE C-D PLATE 1



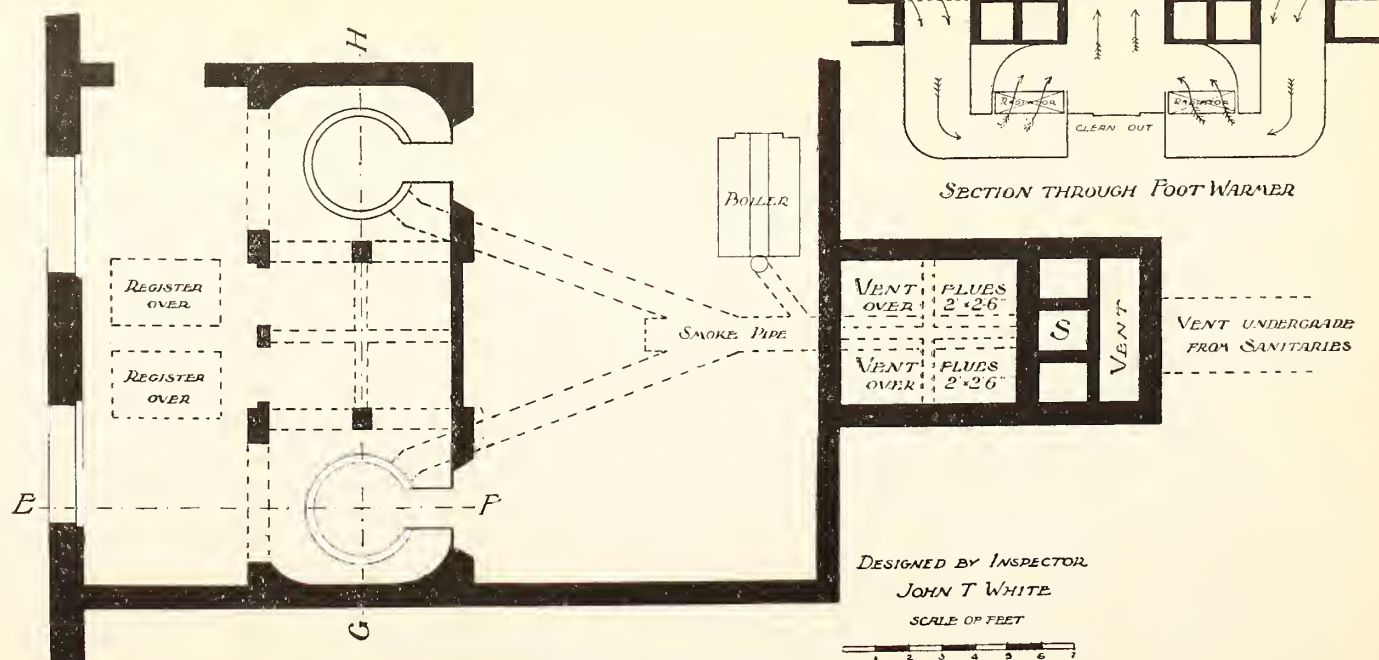
SECTION THROUGH VENT CHIMNEY
ON LINE E-F PLATE 1



SECTION THRO' FURNACES ON LINE E-F.
AND THROUGH DUCTS IN 1ST STORY

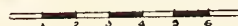


SECTION THROUGH G-H ON FURNACE PLAN



PLAN OF FURNACES IN PLACE OF STEAM RADIATORS
SEE PLATE NO 1.

DESIGNED BY INSPECTOR
JOHN T WHITE
SCALE OF FEET



The following plans and description are by Inspector Joseph A. Moore, and are intended for a two-story, eight-room grammar school building, to be constructed of red brick, with granite trimmings and slated roof:—

There are four school and two smaller rooms on each floor, with a long, well-lighted corridor extending the entire length of the building, with entrances and vestibules at each end. The building is set well above grade, to give a good basement.

The corner rooms are each 32 by 28 feet and 12 feet high, intended for 49 pupils. The centre rooms are 32 by 30 by 12 feet, and 56 pupils can be accommodated, although for larger pupils 49 would be better.

The two centre rooms in the second story can be thrown into one, by means of rolling partitions, if desired. Between the rooms are closets with doors opening to rooms each side.

Book cases can be placed in the space between the heating and ventilating shafts. No platforms are used, but a table desk is provided for the teacher.

The corridors are 15 feet wide, and serve also as clothing rooms, being provided with stout wire screens, on which the clothing is hung. Wire shelves are also provided, about 9 inches above the floor. Under these wire shelves are two lines of one and one-quarter inch steam pipe, for drying clothing in stormy weather. Vestibules at each end prevent rapid cooling of the corridors. The stairways are six feet wide, railed and well separated from each other. At the rear of the corridors are two small rooms on each floor, those on the lower floor being for sanitariums, and on the upper floor one for the teachers, the other for the master, each being provided with toilet appliances. The doors opening from the school-rooms to the corridors each have a light of heavy plate glass, placed high enough so the pupils when seated cannot look into the corridors. Midway in each corridor is placed a hand bowl, with two faucets and drinking cups. Above the bowl is a mirror.

There are two inside stairways and two outside entrances to the basement, which is 12 feet high, except the boiler room, which is 2 feet deeper, to give a good distance between the water line in the boilers and the radiators. In the basement, which is concreted and covered with rock asphalt or Portland cement, are rooms for the boilers, coal, janitor and fan; also two fresh-air chambers and four other rooms, two being for boys and two for girls, for use at recess in stormy weather. If desired, one can be fitted for manual training or gymnasium and one for cooking-school purposes. In

the basement corridors can be placed bicycle racks or stalls. If desired, lunch rooms can be provided, having Russia iron closets, through which pass steam pipes for warming lunches.

Double windows are provided, except in the boiler room, fan room and fresh-air chambers. The expense of double windows will be more than repaid by the saving in fuel, and also by preventing rapid precipitation of air in extremely cold weather. In very warm weather they can, by lowering the inner window at the top and raising the outside one at the bottom, be made useful in preventing too strong drafts on windy days.

If desired, the attic can be used for drill purposes, by putting on a high roof and continuing the two stairways up.

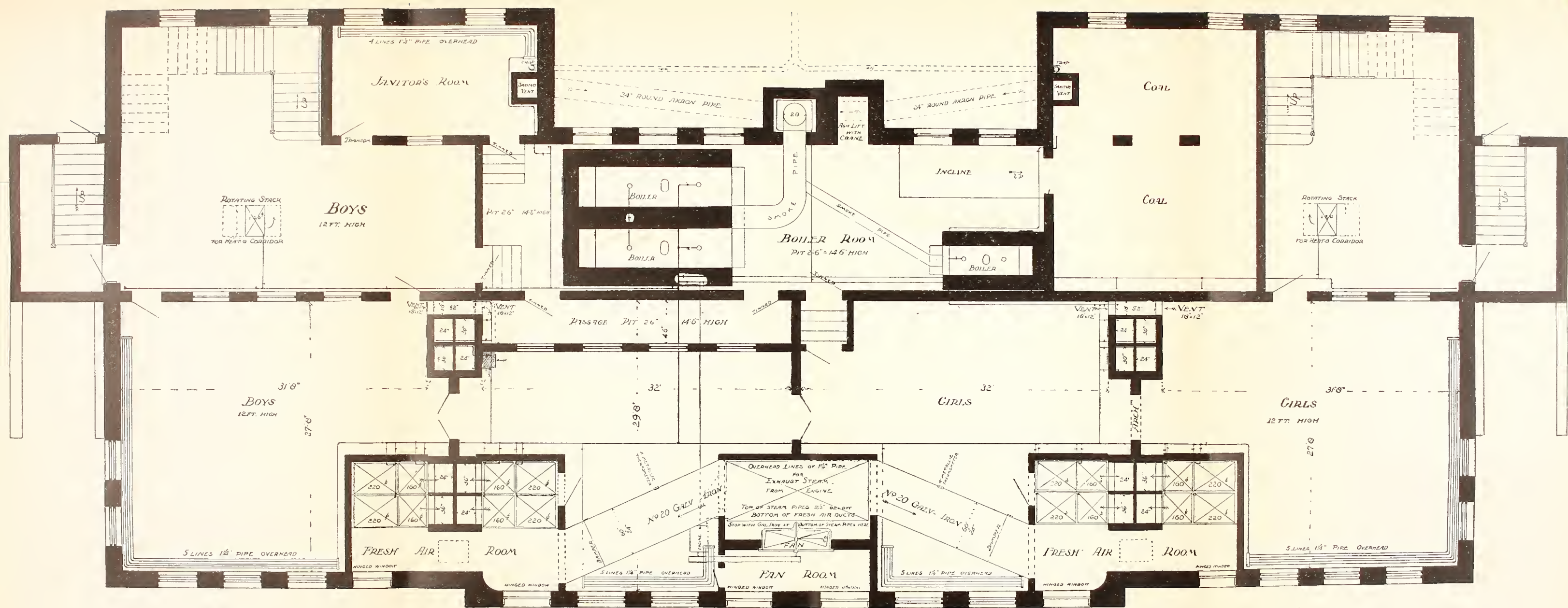
Fire-stops to be provided in accordance with the requirements of this department.

The entire basement to be plastered on expanded metal lathing, which it would be advisable to use throughout the whole building.

If desirable, the wood finish in the corridors may be omitted, and white or cream-colored faced brick used, or a good smooth brick used and painted with light paint.

The building to be heated with two horizontal tubular boilers, 48 inches diameter, 15 feet 3 inches long, having 49 three-inch tubes, 14 feet long. A supplementary boiler is 36 inches in diameter, 9 feet 3 inches long and having 34 two and one-half inch tubes, 8 feet long. This smaller boiler is for running the fan engine and furnishing heat for the vent shafts when it is not desired to fire the large boilers. The heating is to be by a low-pressure double-pipe system, with indirect steam for supplying fresh air to the school-rooms and direct steam to the corridors, teachers' rooms, sanitariums and basement; the basement being heated by steam pipes placed near the ceiling, the exhaust steam from the engine being used in one and one-quarter inch pipes placed above and in front of the fan.

The supply and return pipes being of large diameters, properly pitched, graded and dripped, to secure the free and noiseless return of the water of condensation to the large boilers by gravity, expensive and complicated pumps, traps or other appliances are avoided. If desired, the condensed steam from the small boiler, after passing through the engine and heating pipes in the fan room, may be conducted directly outside the building, or from the engine without passing through the pipe heater. However, if desired, a pump, pump governor and grease separator can be provided for the small boiler. All the boilers are to be so piped and valved that either one or all may be used at the same time, and a different pressure may be carried on the large boilers from that on the small



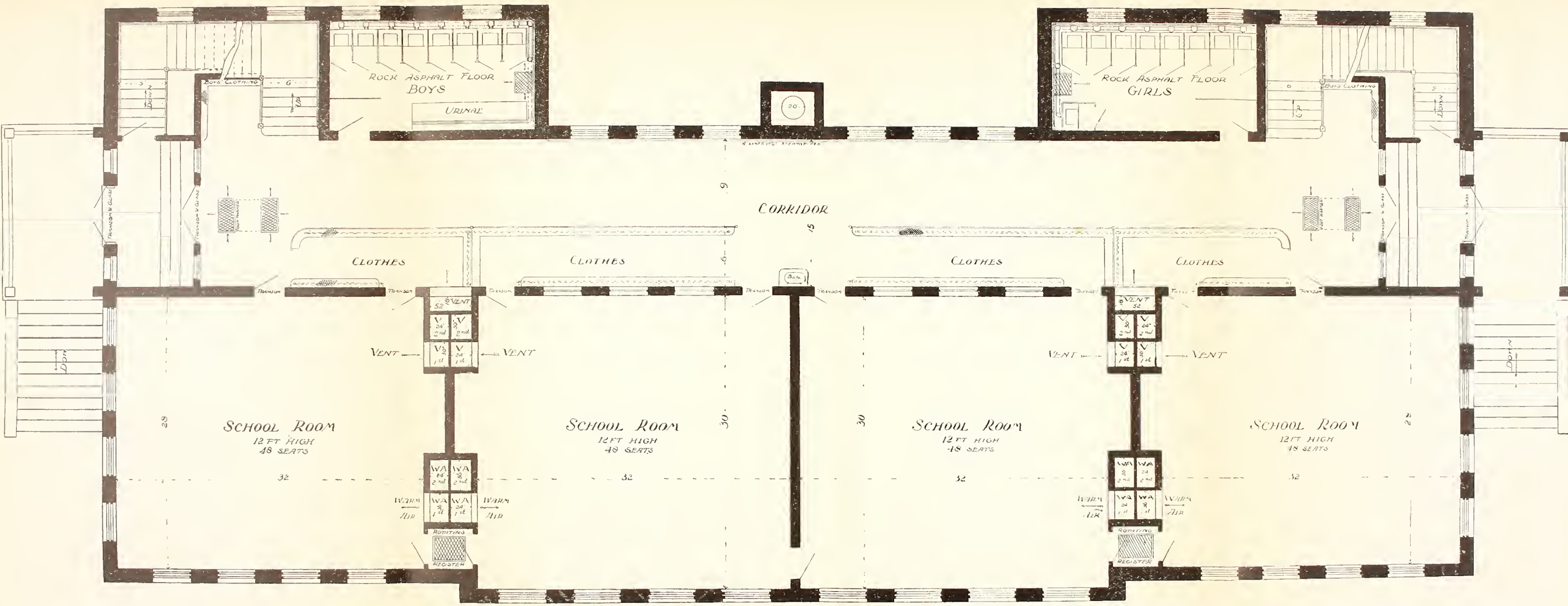
BASEMENT
EIGHT ROOM SCHOOL

SHOWING HEATING AND VENTILATION

SCALE

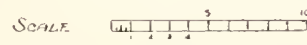
BY JOSEPH A. MOORE

STATE INSPECTOR
1896

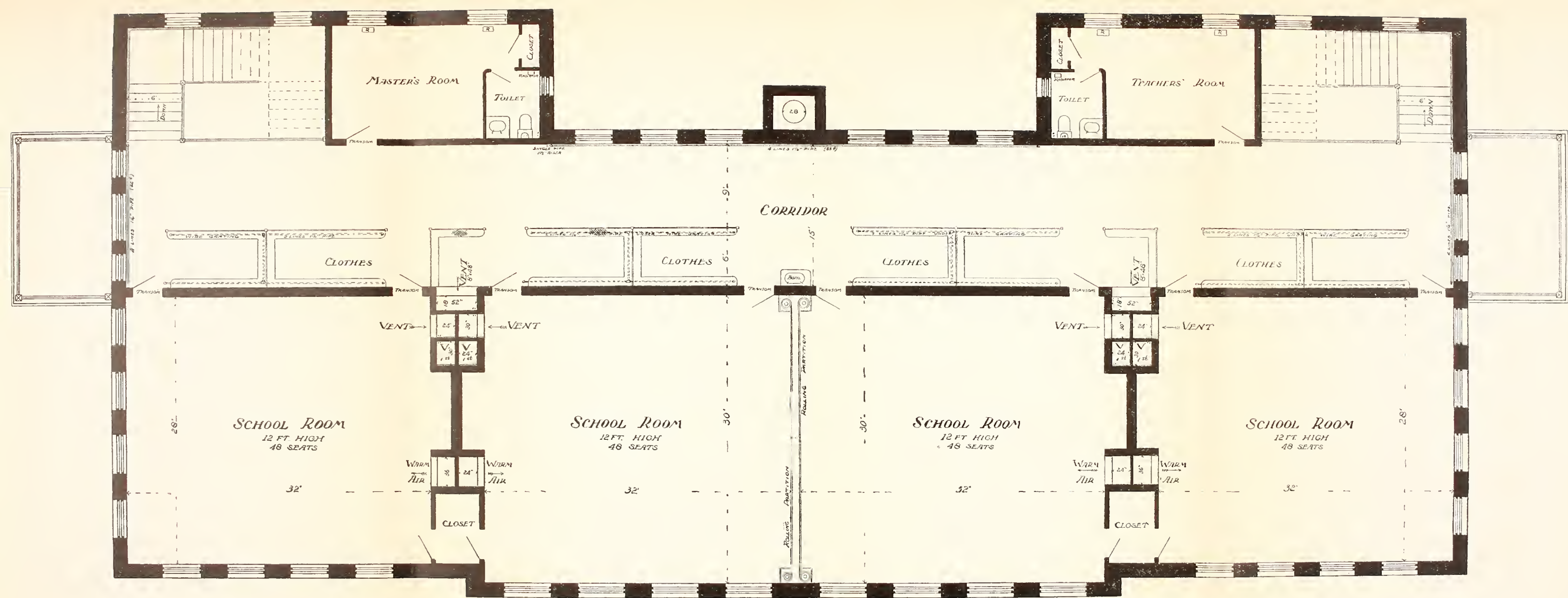


FIRST STORY
EIGHT ROOM SCHOOL

SHOWING HEATING AND VENTILATION



BY JOSEPH A MOORE
STATE INSPECTOR,
1896



SCALE 1" = 4'

SECOND STORY EIGHT ROOM SCHOOL

SHOWING HEATING AND VENTILATION

BY JOSEPH A. MOORE
STATE INSPECTOR
1896

boiler. When desired to use the large boilers at a very low pressure for heating the building, the small boiler may be used at a higher one for running the fan and heating the vent shafts. When desired, the fan and vent shaft heaters may also be run from the large boilers. The engine for running the fan to be run on not exceeding fifteen-pound pressure and the fan at not exceeding one hundred and sixty revolutions per minute; large cylinders of short stroke are provided.

The fan is intended to furnish 40 cubic feet of fresh air per minute for each pupil and teacher. By increasing the speed, 50 cubic feet may be had.

It is intended that either a fan or gravity system can be used, as desired. During a greater part of the time the fresh air can be supplied by the gravity system, but there are times, during mild, calm or damp weather, when the fan can be used to better advantage. When the fan is used, the windows in the fan room are opened, the windows in the fresh-air chambers closed and the air passed through the fan and exhaust steam pipes, through the galvanized-iron ducts into the fresh-air chambers, through the radiators in the fresh-air chambers into the ducts to the several school-rooms. When the gravity system is used, the fan room is shut off and the windows in the fresh-air chambers opened. By this arrangement the building can be supplied with fresh, warm air without danger of having the supply shut off and the building warmed by direct radiation, as has been the case with some elaborately devised schemes, when the fan could not be run. In such cases the pupils have been compelled to breathe air as bad as in an unventilated building, especially when the outlets were obstructed by worse than useless flap valves or similar devices.

In the fan room are placed lines of one and one-quarter inch pipes, about 2 inches below the openings into the galvanized-iron ducts leading to the fresh-air chambers. These pipes use the exhaust steam from the engine for warming the air which is forced up and through them by the fan, and which then passes into the galvanized-iron ducts. The radiators in the fresh-air chambers are of the Bundy Newport or other equally good pattern, set up $4\frac{1}{2}$ inches on centres, to give free passage for the air. When radiators of the gold pin or of other extended surface pattern are used, the results are not as satisfactory, as the free passage of the air is obstructed by the radiators being placed too close together. In many cases what would have been first class has been made second or third class work from this cause. The tops of these radiators are placed 1 inch below the openings into the warm-air ducts, which openings should be of the full area of these ducts.

At the bottom of each warm-air duct an opening is left, not less in size than the area of the duct. This is for admitting cool air for mixing with the warm air that passes through the radiators.

A mixing valve is provided, to be moved by a chain (No. 2 safety pattern), held in place by a catch in the school-room. By a slight movement of this mixing valve the temperature can be easily controlled by the teacher. The practice of some teachers, of throwing the valve wide open and then closing it tightly, should be condemned; a gradual movement, say about one inch at a time, will give far better results. If automatic temperature regulators are used on these mixing valves, they should be of a pattern which gradually moves the valve, and not of a kind that throws the valve wide open or closes it tightly with a quick movement. In the warm-air inlet to each school-room should be placed, about three-quarters the distance up from the bottom to the top, a four-inch-dial metallic thermometer, to enable the teacher to see the temperature of the incoming air. Similar thermometers should be placed in the side of the galvanized-iron ducts leading from fan room to fresh-air chambers. A piece of ribbon one-quarter inch wide and eight inches long, tied just below the thermometer on the inlet grating, will enable the teacher to judge the velocity of the incoming air.

The warm-air ducts are 24 by 30 inches in area. The openings into the school-rooms are 30 by 36 inches, and are covered with a wire grill or screen, made of one-eighth inch iron, one and one-half inch diamond mesh, set in a channel iron frame. The use of cast-iron register faces reduces the area of the openings one-third, besides causing more friction. When the warm-air inlets into a room are properly located and of sufficient size, the use of worthless and useless diffusers and deflectors is entirely obviated, and these unsightly and costly devices can well be dispensed with.

In all cases the radiators in the fresh-air chambers should be placed on the front side of the warm-air duct, and the cool air should pass up on the back part of the duct; by doing this, uncomfortable drafts will be avoided when cool air is let into the room. Strict attention to this will be well repaid by the results obtained.

By allowing beams to project down below the ceiling, the air will be deflected and bad results often obtained. All school-room ceilings should be smooth and unbroken by projections. When the warm-air ducts are smoothed up inside with adamant plaster, better results are obtained than when the brick ducts are laid up rough and uneven.

In each fresh-air chamber there are for each school-room 380 square feet of radiation, single banked, and divided into two

stacks, one of 160 and one of 220 square feet of surface. The radiators for each room are separated by galvanized-iron partitions, extending down to 15 inches below the bottom of the radiators, which are entirely open at the bottom.

The galvanized-iron ducts leading from the fan room to fresh-air chambers are 24 by 60 inches in cross section, and are each provided with an adjustable damper, to regulate the air supply to either fresh-air chamber, or cut it off altogether. By using adjusting or cut-off dampers at each warm-air inlet in the fresh-air chambers, the supply can be regulated for each room, or cut off entirely from any room not in use.

In the floor of the two closets between the school-rooms in the first story is placed a floor register, connecting directly with the fresh-air chamber below it. This is for rotating air at night and when the schools are not in session, and also to warm up the school-rooms quickly in the morning before school opens. Under no conditions should these registers be used when the schools are in session. By opening these registers and the school-room doors and closing the vent shaft outlets and also the windows in fresh-air chambers, the air can be rotated when the rooms are not occupied, and a considerable saving can be made in fuel; or, if desired, all the doors from the school-rooms and into the basement and fresh-air chambers can be opened, and the air rotated in that way. The under sides of these rotating registers are provided with tin-covered trap doors that open down into the fresh-air chambers and can be opened and closed, as also can the inlet windows, by cord and pulley.

The entire tops of the fan room and fresh-air chambers should be covered by extra coverings of non-heat-conducting incombustible material, to prevent the cold passing up through the floor of the first story to the school-rooms. If not well protected, the floor over them will be cold.

In the corridors, teachers' rooms and sanitaries the heating is by direct steam. There are two floor registers in the lower corridor for foot warmers, the air being rotated. Each corridor has two vent ducts, in each of which is placed 30 square feet of one and one-quarter inch pipe radiation. Each corridor vent opening is provided with a wire grill of the same pattern as in the school-rooms, also with a curved galvanized-iron damper and chain to regulate or shut off the outflow of air.

With a good exhaust, the leakage of air into the corridors will be sufficient to keep them in a fresh condition. The leakage of air in buildings, as shown by hundreds of tests by inspectors, is often very surprising, and is a matter commonly overlooked by

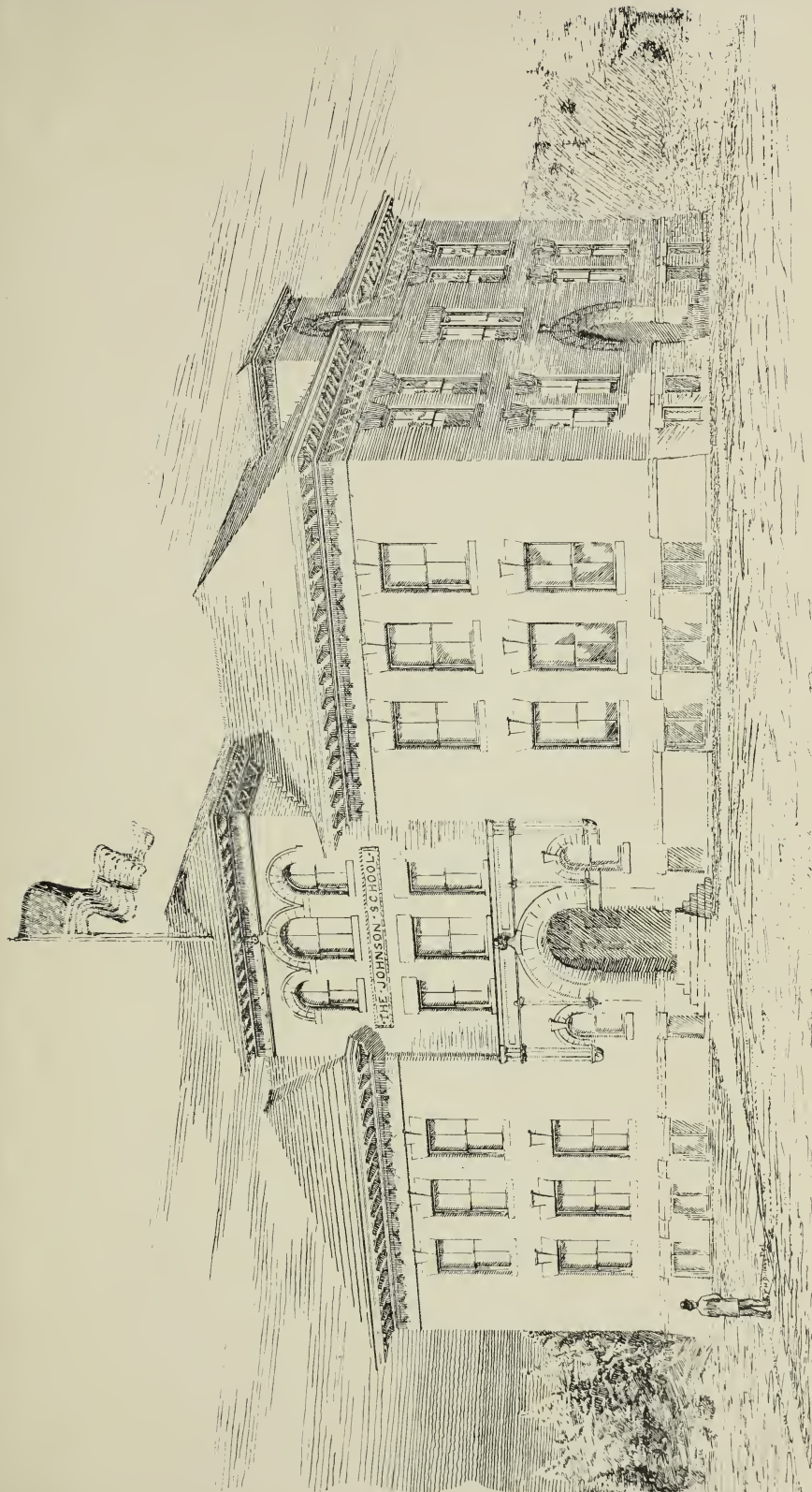
school, North Adams, Mass. (Edwin Thayer Barlow, architect) : —

The building is two stories in height, of local brick with brown stone trimmings and standing lock metal roof. The basement contains two large, well-lighted playrooms, the motor, boiler and fuel rooms. The first and second stories each have four class rooms, stairway and coat-rack corridors, toilet and sanitary rooms, the latter in first story connecting with playrooms by separate stairs. The second story has in addition an office, teachers' room and two large storage or supply closets. The roof story has an assembly hall and ample storage space. The arrangement of stairs and division of basement and corridors is such that each class room and the assembly hall have two separate ways of egress, and the boiler, fuel and sanitary rooms are all located in an annex.

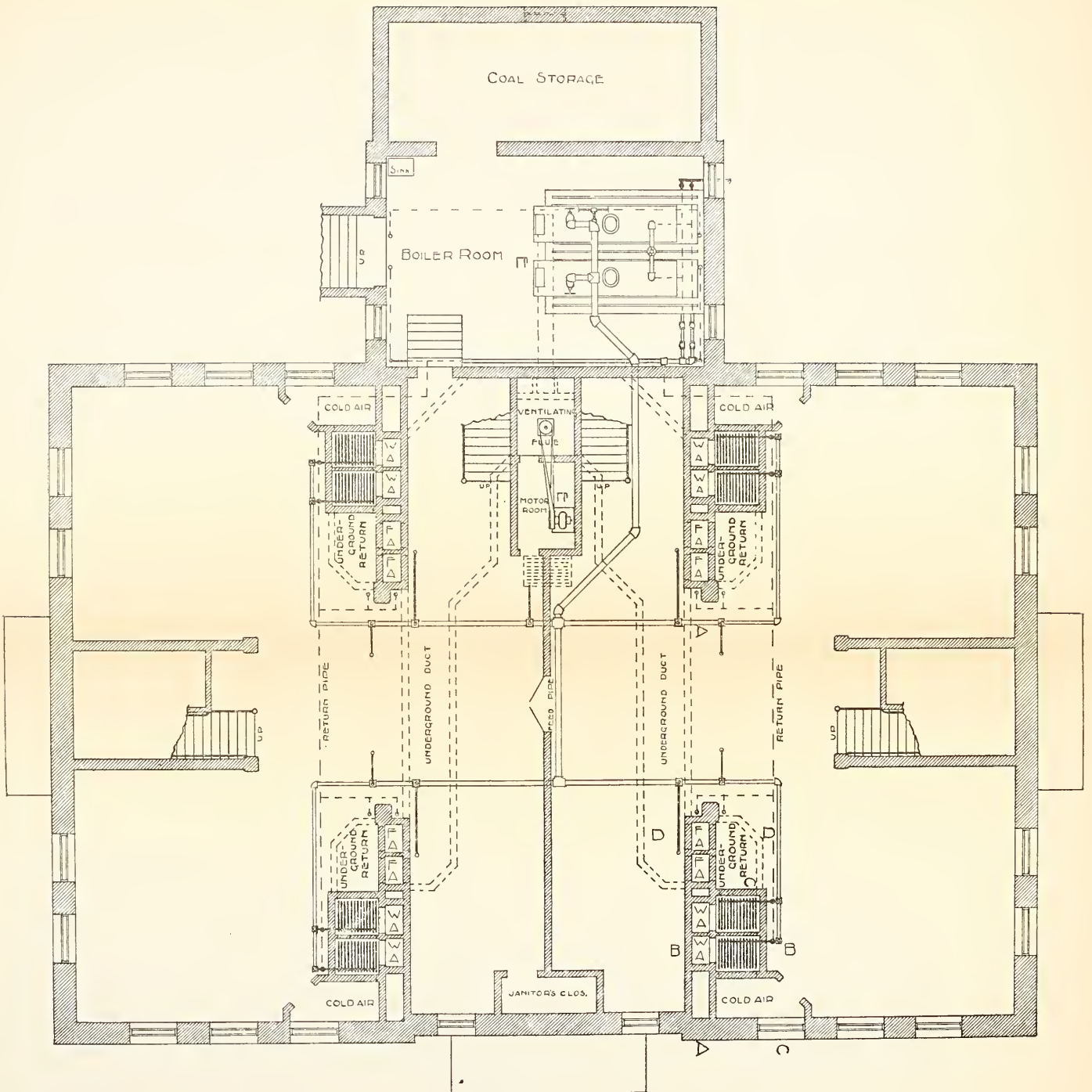
The heating is by steam, from two horizontal tubular boilers, connected so either or both may be used. The radiation for the class rooms is all indirect, elsewhere direct surface.

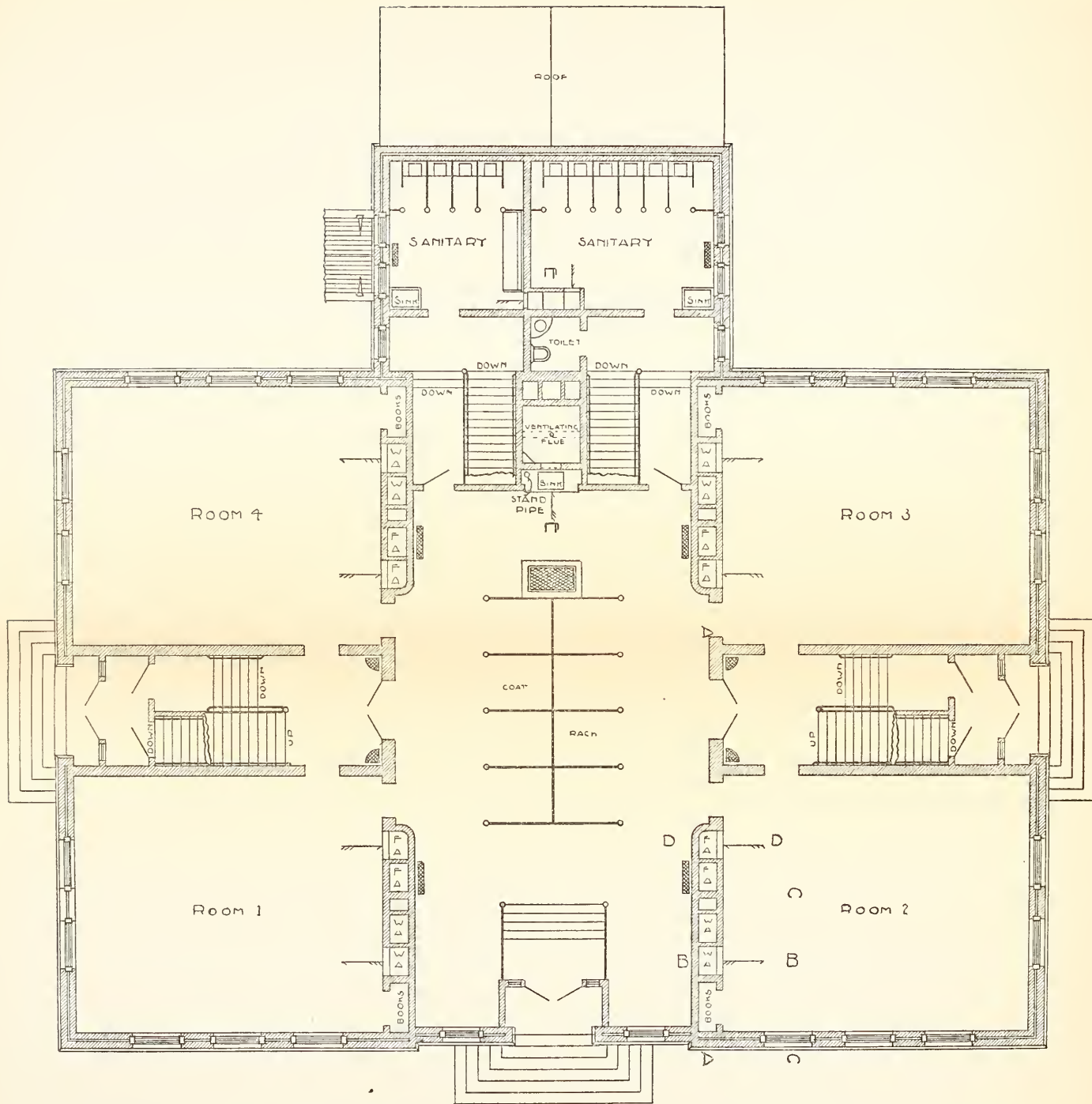
The ventilating of the main building is by an exhaust fan in ventilating flue, driven by an electric motor. The connections of class rooms with the ventilating flue are down, thence by underground ducts in basement, while those of corridors and the assembly hall are direct. The sanitary rooms and toilets are ventilated by gravity or mechanical means, as desired, the flues connecting both with the boiler and ventilating flues.

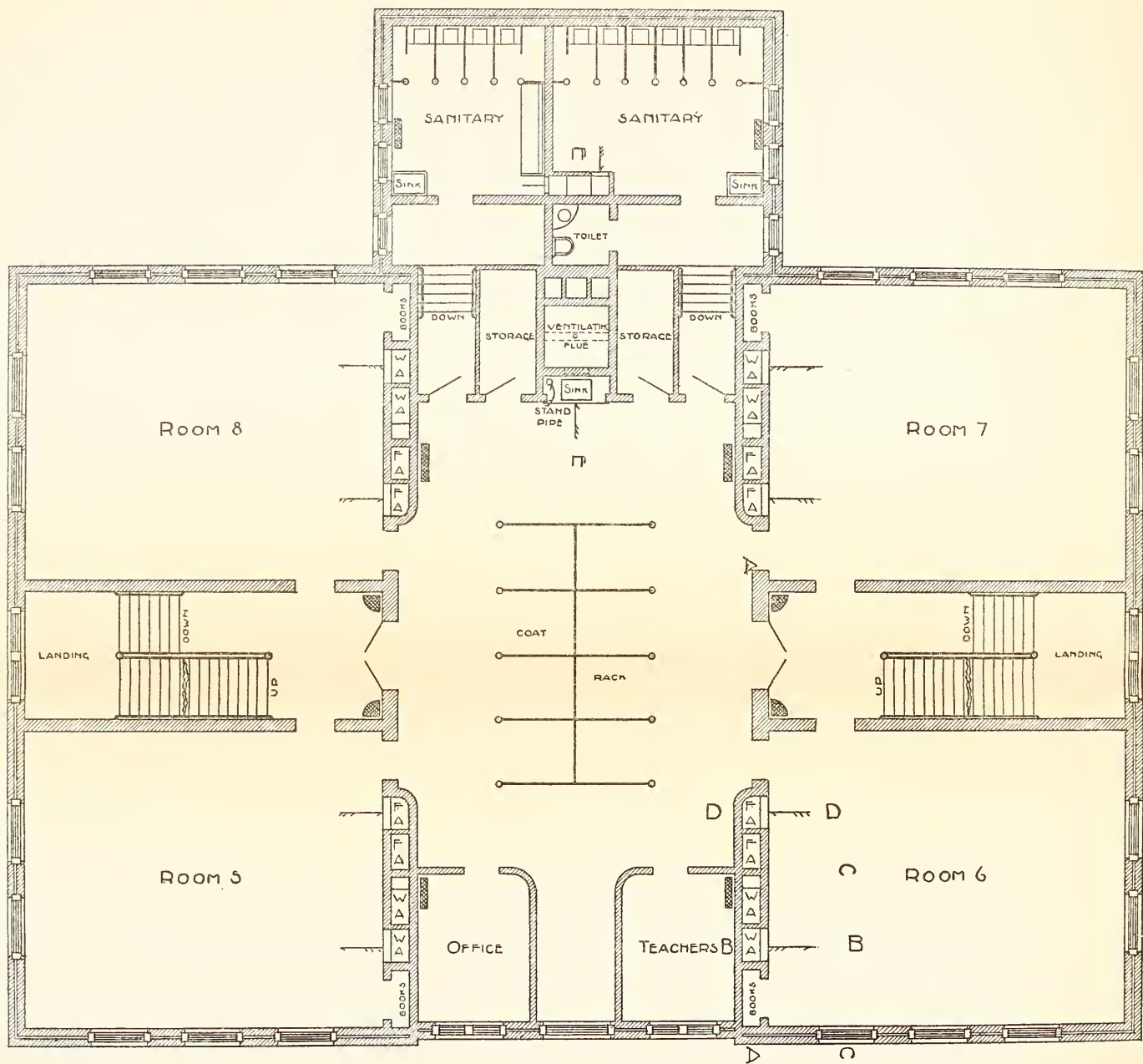
Referring to the plates, the basement plan shows boilers, piping, indirect radiation with fresh air connections, and underground ducts and returns. The first, second and roof story floor plans locate the warm or fresh air inlets, the outlets and direct radiation. In the sectional views, AA is through one section of flues and BB a cross section through warm or fresh air flues and the indirect radiation and chamber for the first-story room, together showing the general arrangement and the manner of controlling the mixing valves from both the rooms, and the front of their respective radiator or heating chambers. CC is through one section of heating chambers, the fresh-air room and connection with underground return, and DD a cross section through the foul-air or exhaust flues and the connection of that from the first-story room with the underground duct and return, together showing the method for returning the air from the rooms to the heating chambers, if desired, for heating when the rooms are unoccupied. EE is through ventilating, boiler and sanitary vent flues, showing the exhaust fan, shafting, pulley and bearings, and the connections of the boiler, smoke pipe, underground duct, corridors, assembly hall

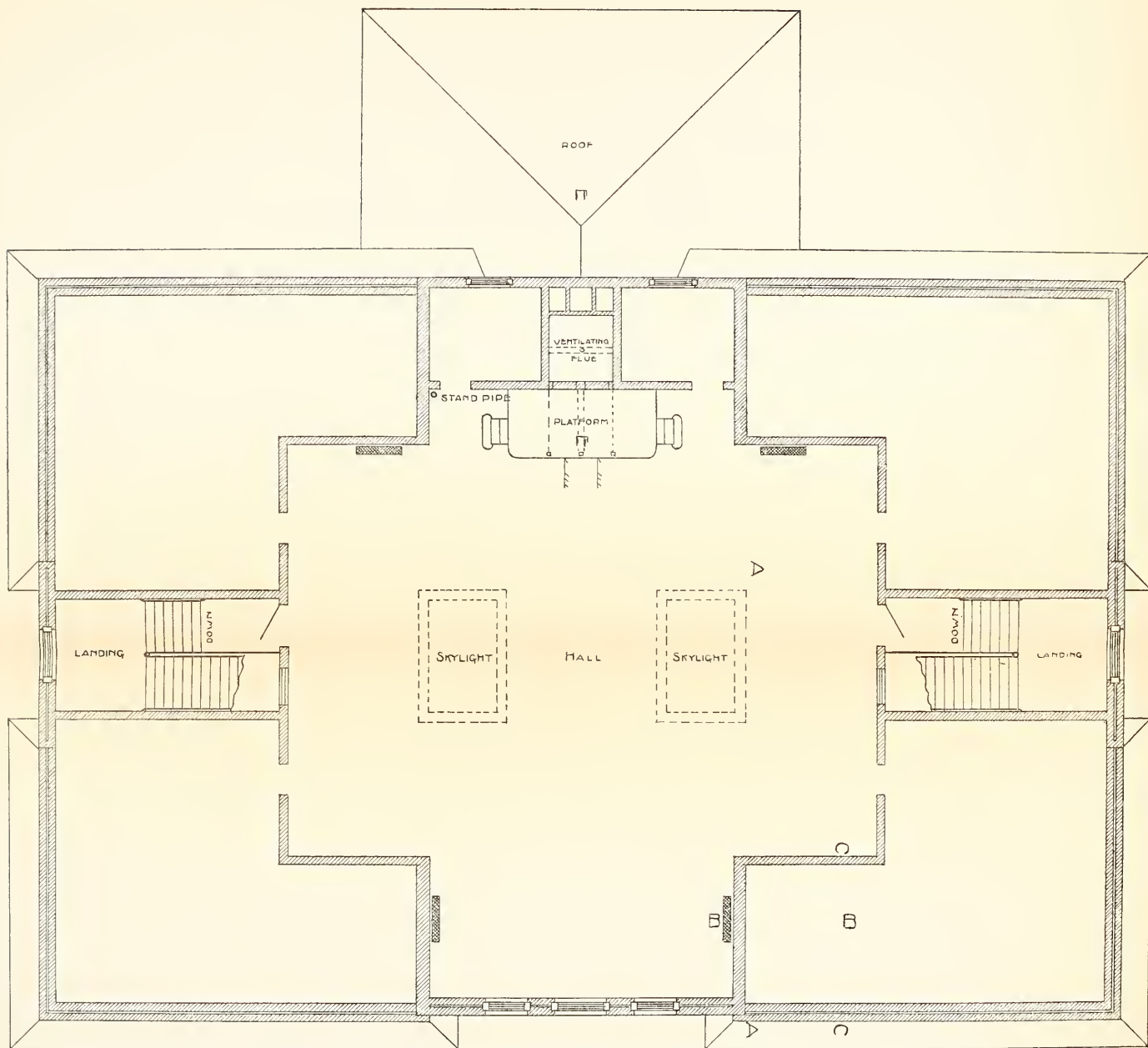


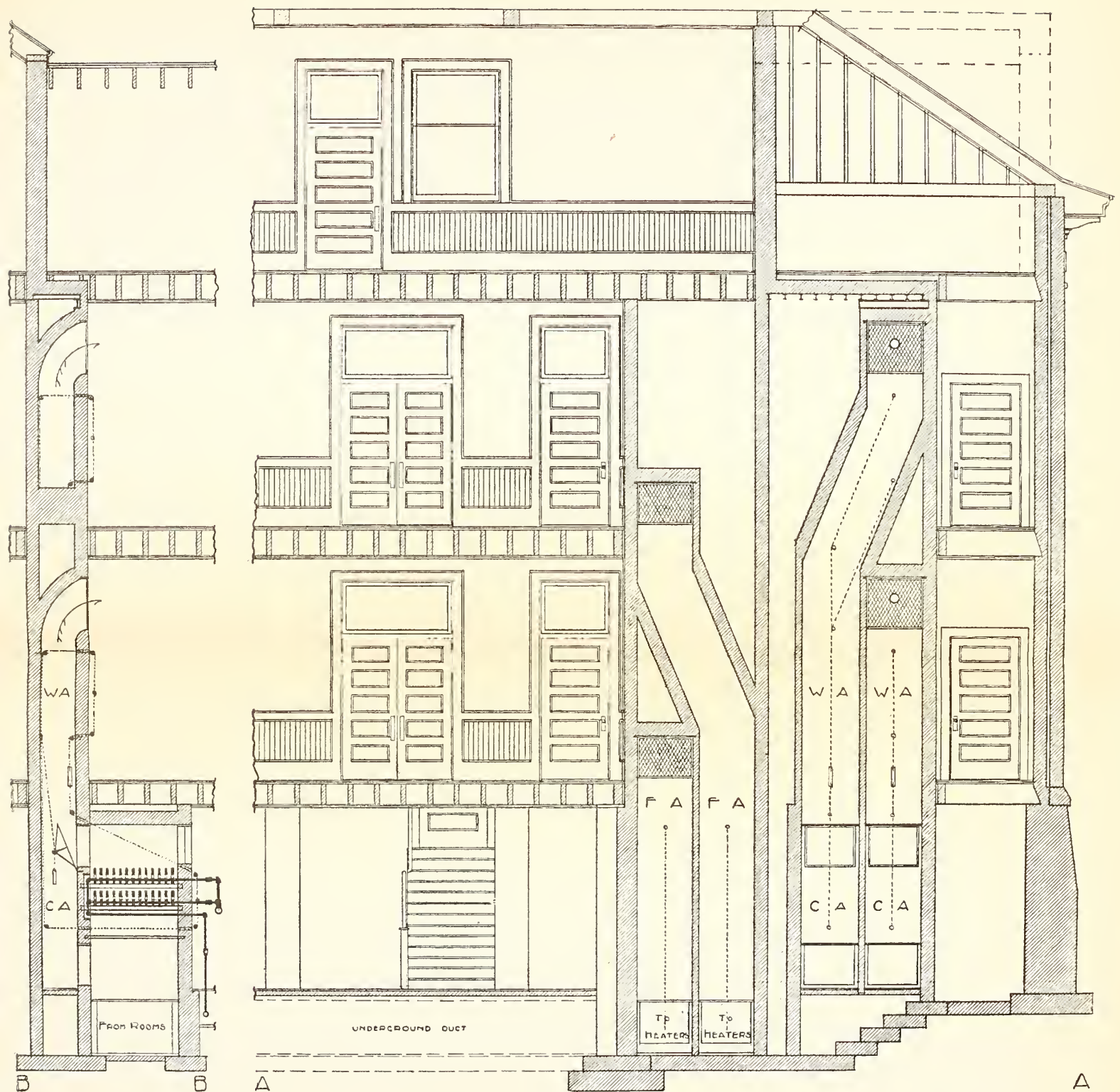
THE JOHNSON SCHOOL, NORTH ADAMS, MASS.

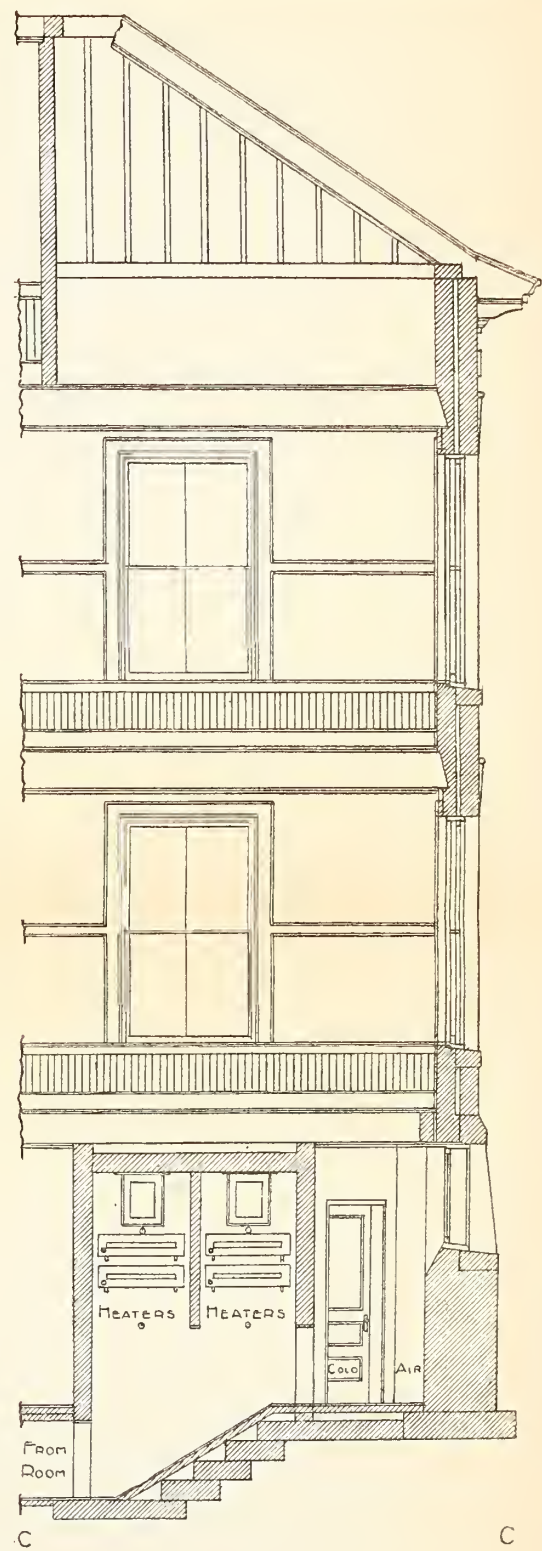
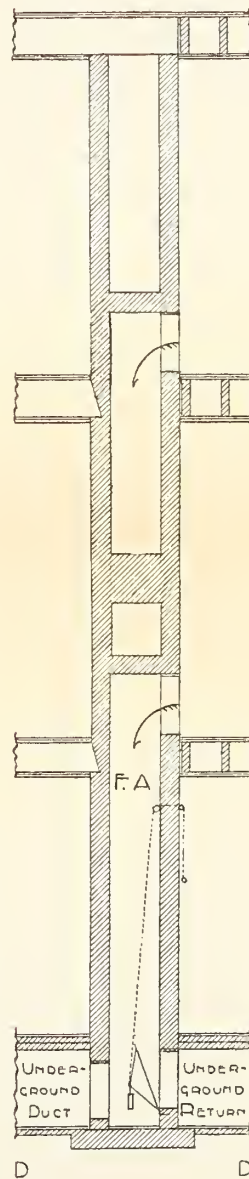
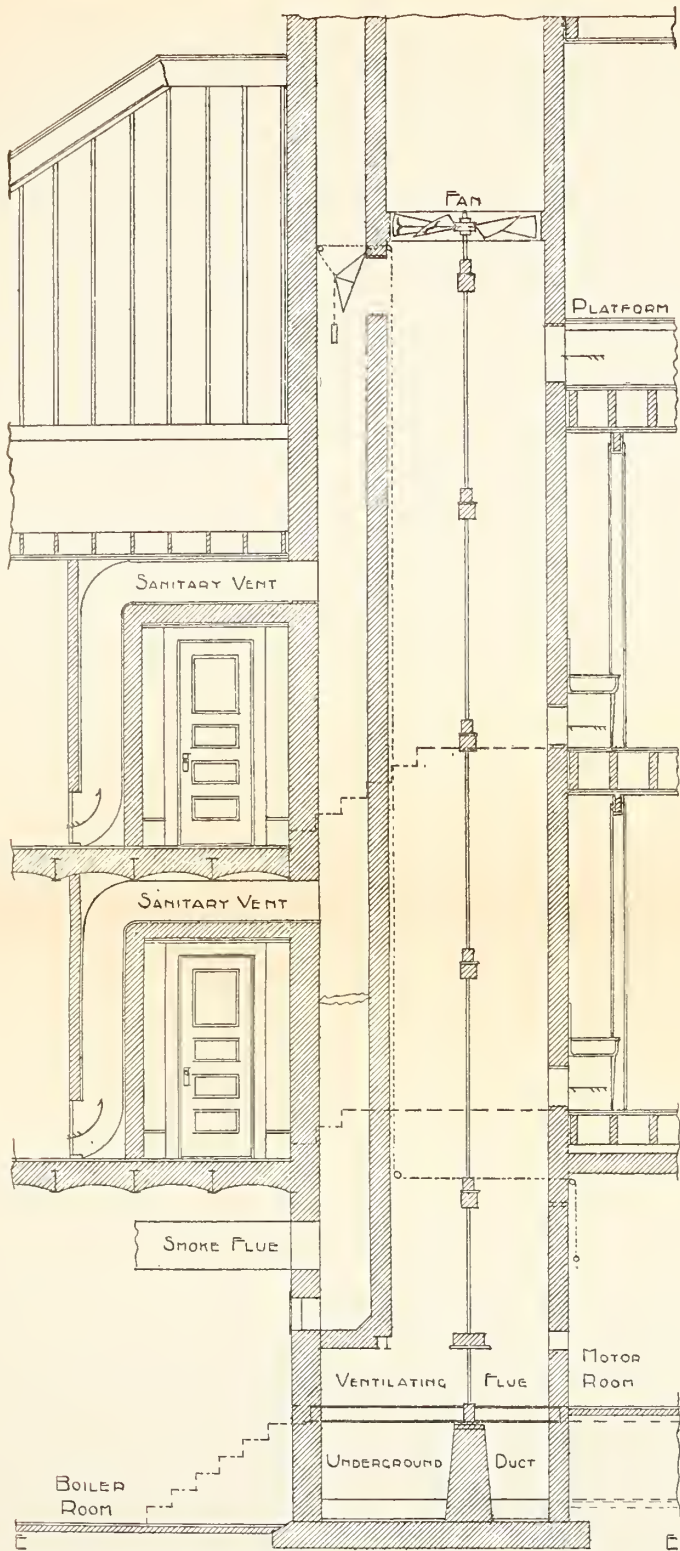












and the sanitary vent flues, the latter, by means of switch valves, being operated from the motor room in the basement.

The requirements of the heating and ventilating apparatus are, to exhaust from the building whenever the fan is running at maximum speed not less than 20,000 cubic feet of air per minute, properly divided at the different outlets, and to maintain a temperature in class rooms, coat-rack corridors, assembly hall and sanitary rooms of 70° F., and in stairway, corridors and basement of 65° F., in coldest weather.

The following plans, drawn by Inspector Joseph M. Dyson, show the method of heating and ventilating the New Union Church, Worcester, Mass. :—

The cut and floor plans of the New Union Church, Worcester (Earle & Fisher, architects), which society is the first in this district to practically adopt a modern system of ventilation, are worthy of description.

This is one of the largest and most complete Congregational churches in the State. The main auditorium, cruciform in plan, has a seating capacity of 1,000 on the main floor, with a liberal space for passageways, and with gallery only over the front vestibule. The platform occupies the central space of an apse 45 feet wide, with choir space sufficient for a large chorus choir around and raised above it. The church has an open timber roof finishing to the ridge. To the south is the parish house and the chapel. The latter is 35 by 50 feet, with open timber roof. The parish house has an area of 55 by 67 feet, and comprises on the first floor a Sunday-school room 34 by 59 feet, extending up two stories, with flanking class rooms in each story; a ladies' parlor, 28 by 35 feet, in first story; and an infant class room of the same size over it, with large rooms for social purposes in the basement. The building is Gothic in style, with the exterior of pink Milford granite, relieved by brown stone, with red slate roof, and is throughout very substantial in construction, with very little wood except in floors and roofs. The interior finish is oak and the walls richly decorated, built by the Webb Granite and Construction Company of Worcester.

The heating and ventilation are by the blower system, installed by O. S. Kendall & Co. of Worcester. Steam is taken from two 50 horse-power horizontal tubular boilers, located in the basement where indicated on the plan, only a small amount of direct surface being used, to heat the toilets, galleries and rooms in the towers. The other parts of the building are warmed by a 22 section heater,

containing 8,400 linear feet of one-inch pipe. Fresh air is taken in from three openings on the north side of the church, and drawn through the large heater into a room provided for the purpose by a 9 feet 10 inches fan. This fan has three-quarter inch steel plate housing, and is connected to a system of galvanized-iron pipes, shown on the basement plan, which conveys the warm air to the different parts of the building, each branch provided with dampers, so that it can be partially or wholly shut off, as may be desired. The fan is driven by a 20 horse-power electric motor, belted directly to the pulley on fan, speed regulated as desired, condensation returned to the boiler by automatic pump. The system of piping from the boilers and valves is so arranged that one or both boilers can be used, as may be required. The foul air in the Sunday-school rooms and the main auditorium is taken into two large ventilating ducts in the rear of the apse. The smoke stack passes through one of these, and the other has a steam coil for the purpose of ventilation in cold weather; also in each flue there is placed an arrangement so that they will be heated by gas in warm weather, providing for a complete change of air throughout the entire building once every twenty minutes, and for a thorough warming of the whole structure in zero weather, with a guarantee to do the same.

IMPROVEMENTS AT STATE NORMAL SCHOOL, FRAMINGHAM, MASS.

At the last session of the General Court an appropriation was granted for the purpose of building an electric light plant and improving the heating and ventilating of May, Crocker and Normal halls.

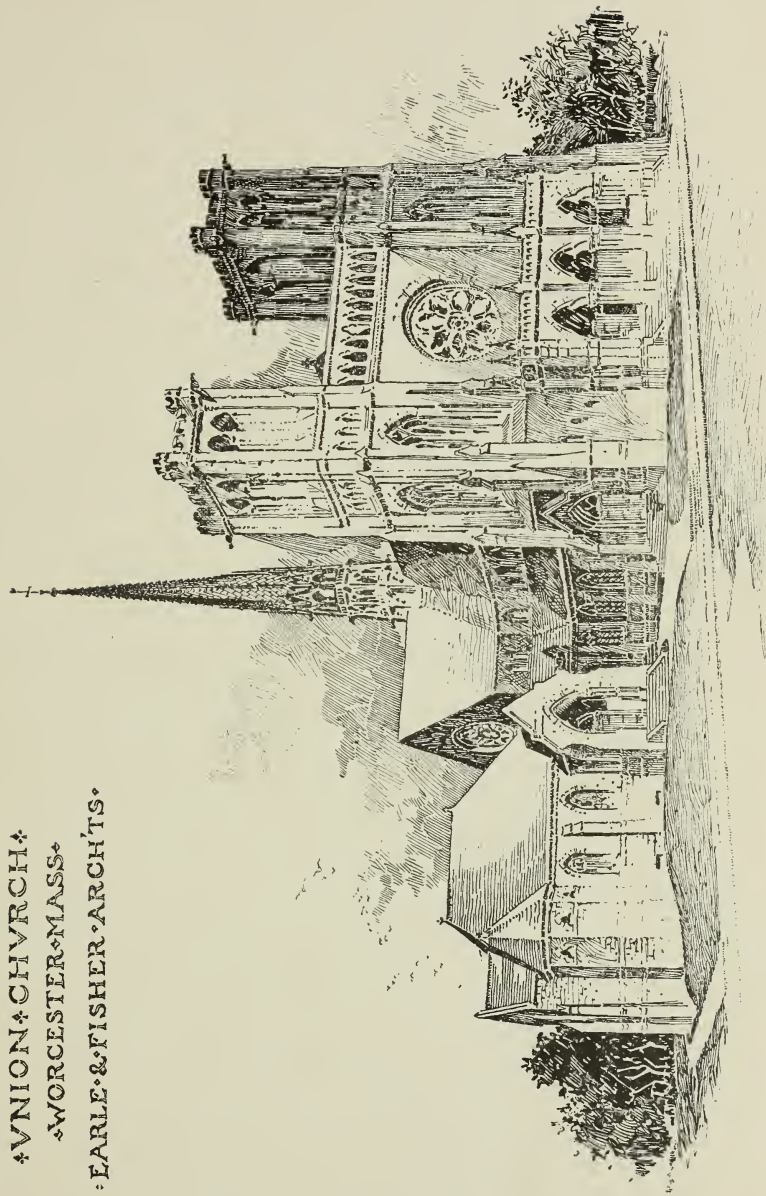
Several sets of plans were submitted, and those of the Huey Brothers, No. 4 Oliver Street, Boston, were accepted, being deemed most complete, all things considered. This work has been completed and is very satisfactory. The accompanying plan and description will give a clear idea of what has been accomplished:—

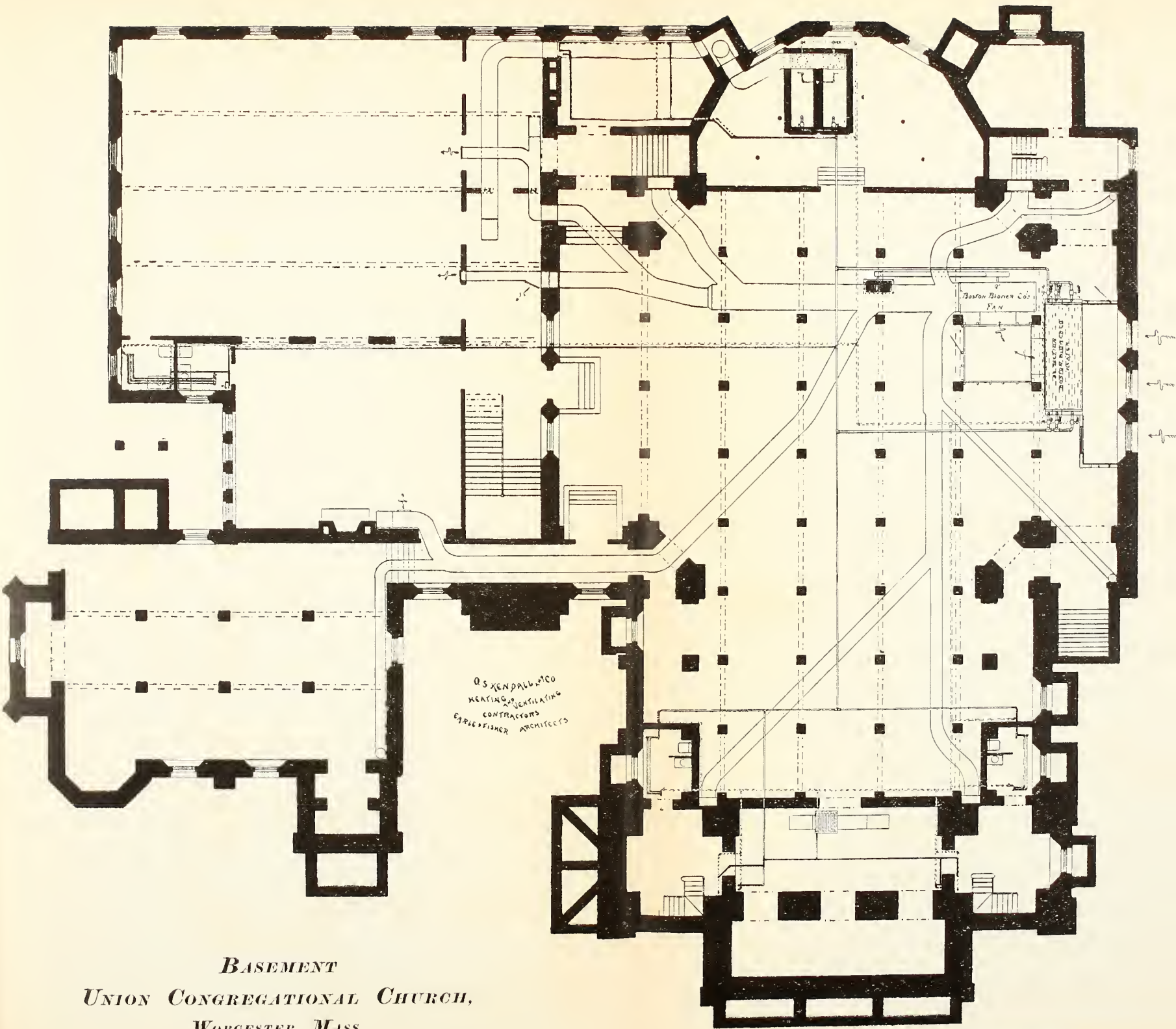
LIGHT PLANT.

A power house, 76 by 34 feet, with a chimney 88 feet high, has been built 20 feet to the rear of May hall, and divided into workshop, engine and dynamo room, store, boiler and fan rooms.

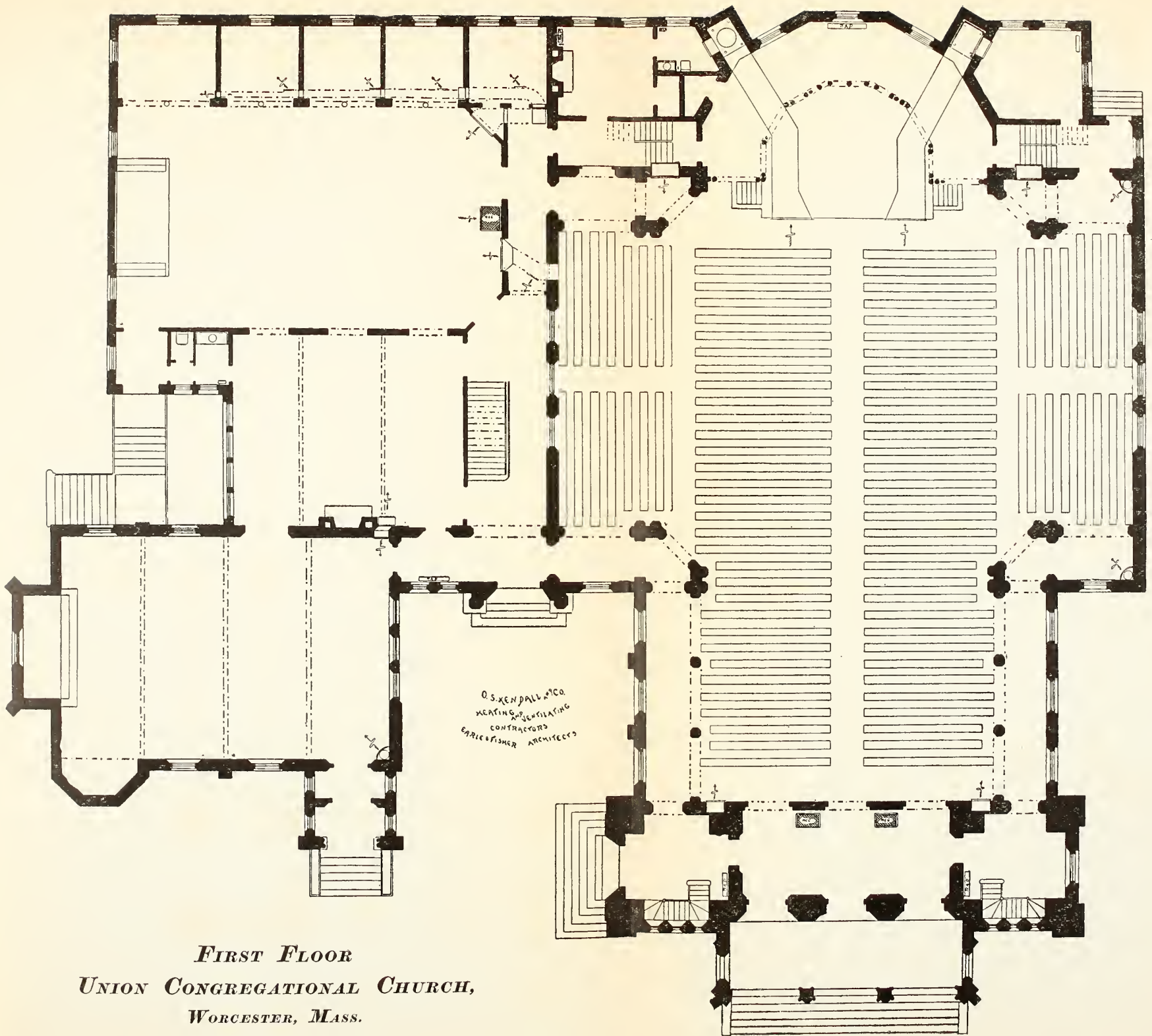
In the boiler room are placed three horizontal tubular boilers, two of 80 and one of 30 horse-power, together with the injector, pump and receiver. These boilers are so arranged that any one

UNION CHURCH
WORCESTER, MASS.
EARLE & FISHER ARCH'TS.

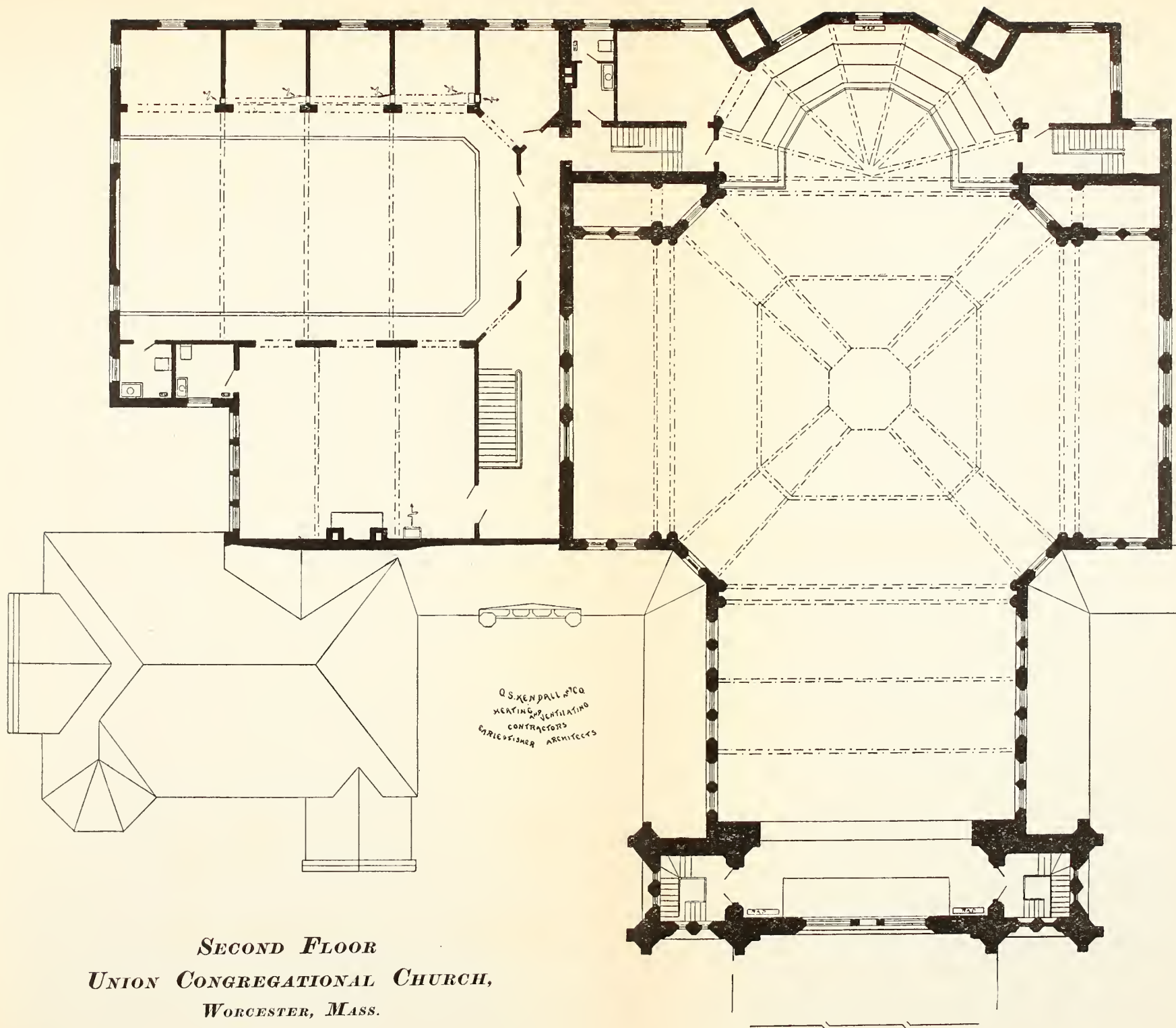




BASEMENT
UNION CONGREGATIONAL CHURCH,
WORCESTER, MASS.



FIRST FLOOR
UNION CONGREGATIONAL CHURCH,
WORCESTER, MASS.



may be run at will, the smaller one being especially intended for summer use. The coal is brought to the fire room by means of a car and track, and weighed on platform scales and a record kept.

The shop is fitted with forge, anvil and an engine lath driven by 1 horse-power motor, making a fully equipped shop for any repairing which may be required.

The store-room is for general stores, such as oil, lamps, etc.

ENGINES.

In the engine room are placed two direct-connected McIntosh & Seymore engines, with general electric dynamos, one a 35 K. W. and one a 25 K. W. These machines are connected with a marble switch board 6 by 6 feet, on which are placed switches for the various buildings, the system being so arranged that one machine will always be in reserve in case of accident to the other. The engines are equipped with all the latest devices, such as separators, grease extractors, etc. The exhaust steam is used through a feed water heater and a tempering coil in the fan chamber.

HEATING AND VENTILATING MAY HALL.

The heating and ventilating of May hall is by the double mechanical system. A fan 8 feet in diameter, and driven by a 15 horse-power electric motor, is placed in the fan room, and at 160 revolutions per minute delivers 40,000 cubic feet of air through a galvanized-iron duct 96 by 36 inches, to the various up-takes to the different rooms. Four exhaust fans with direct-connected electric motors are placed in the four vent shafts in the attic, as shown on the detail plan.

A preliminary heater (or tempering coil) of 6,000 feet of one-inch pipe is placed in the fan room, one-half of which is connected with the exhaust steam from the engine, the other half direct to boiler pressure, on which is placed one of the Johnson Company's thermostatic valves, which controls the air delivered by the fan at 70°. At the base of each up-take to each of the several rooms is placed a supplementary heater of 60 square feet, which is also controlled by a thermostat from each of the respective rooms. A by-pass connection to the supplementary heaters is so arranged that they can be run at night on the gravity system.

The air is delivered in the usual manner 8 feet above the floor, with the ventilation at the floor, curved dampers being placed in each of the ventilating outlets, the usual diamond guards being fitted in each inlet and outlet. The sanitaries are ventilated by an 18 inch fan with direct-connected electric motor. This fan is

connected by galvanized-iron pipe to the local or seat vents, so that the ventilation of these rooms is down through the seats.

CROCKER AND NORMAL HALLS.

These buildings were originally heated by hot water, with "Gurney" and "Perfect" heaters. With the present system steam is carried at boiler pressure to them in conduits, in which are placed the electric light and telephone wires, and connected with three 80 horse-power National feed water heaters, the steam being connected with the brass coil, the water in the system circulating around the coil. The temperature of this water is controlled from 130° to 212° by Powers No. 9 regulators, as the outside temperature may demand. The water of condensation from these heaters is returned to the receiving tank in the boiler room, and thence through the feed water heater in the engine room to boilers at 210°. In the attic of Crocker hall are placed three direct-connected electric fans. All the fans and motors have regulating speed rheostats, and they are perfectly noiseless in their operation.

TELEPHONE SYSTEM.

A private telephone system has also been put in, with intercommunicating instruments, one in each of the halls and one in the engine room. Everything has been designed and executed with the very best skill, convenience and economy being the cardinal principles.

TENEMENT-HOUSE CLOTHING.

The efforts of the inspectors to make effective the provisions of chapter 508, sections 44-48, relating to the manufacture and sale of clothing made in unhealthy places, have met with a measure of success that it is gratifying to record. The wisdom of the law has been fully shown, and its faithful enforcement by the inspectors assigned to this special duty has secured the results intended.

From the reports received I find as follows:—

Number of licenses outstanding Oct. 1, 1895,	.	.	938
Number of licenses granted during 1896,	.	.	453
Total number of licenses granted,	.	.	1,391
Number of licenses revoked during 1896,	.	.	519
Number of licenses outstanding Oct. 1, 1896,	.	.	872
Total number of tenements visited during the current year,	.	.	2,624



MAY HALL.

CROCKER HALL.

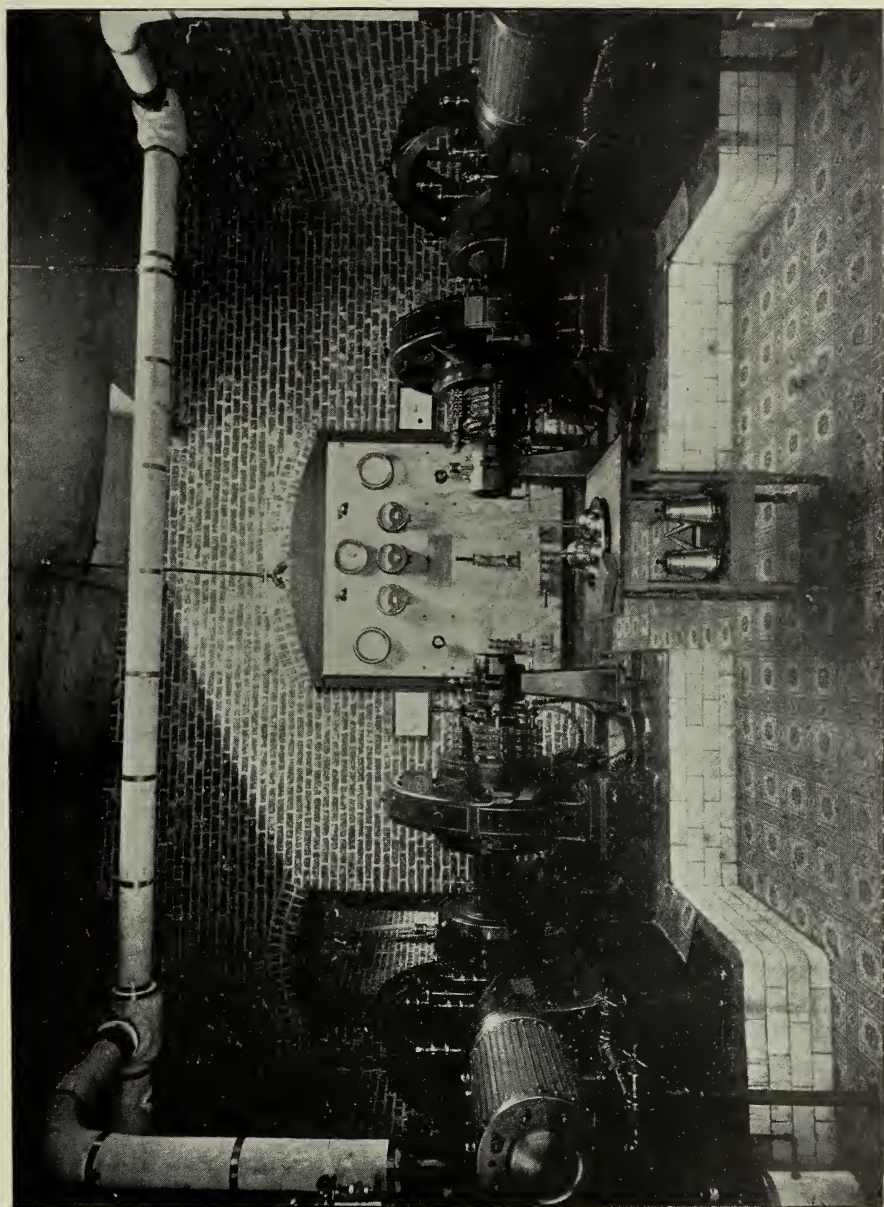
NORMAL HALL.

STATE NORMAL SCHOOL, FRAMINGHAM, MASS.

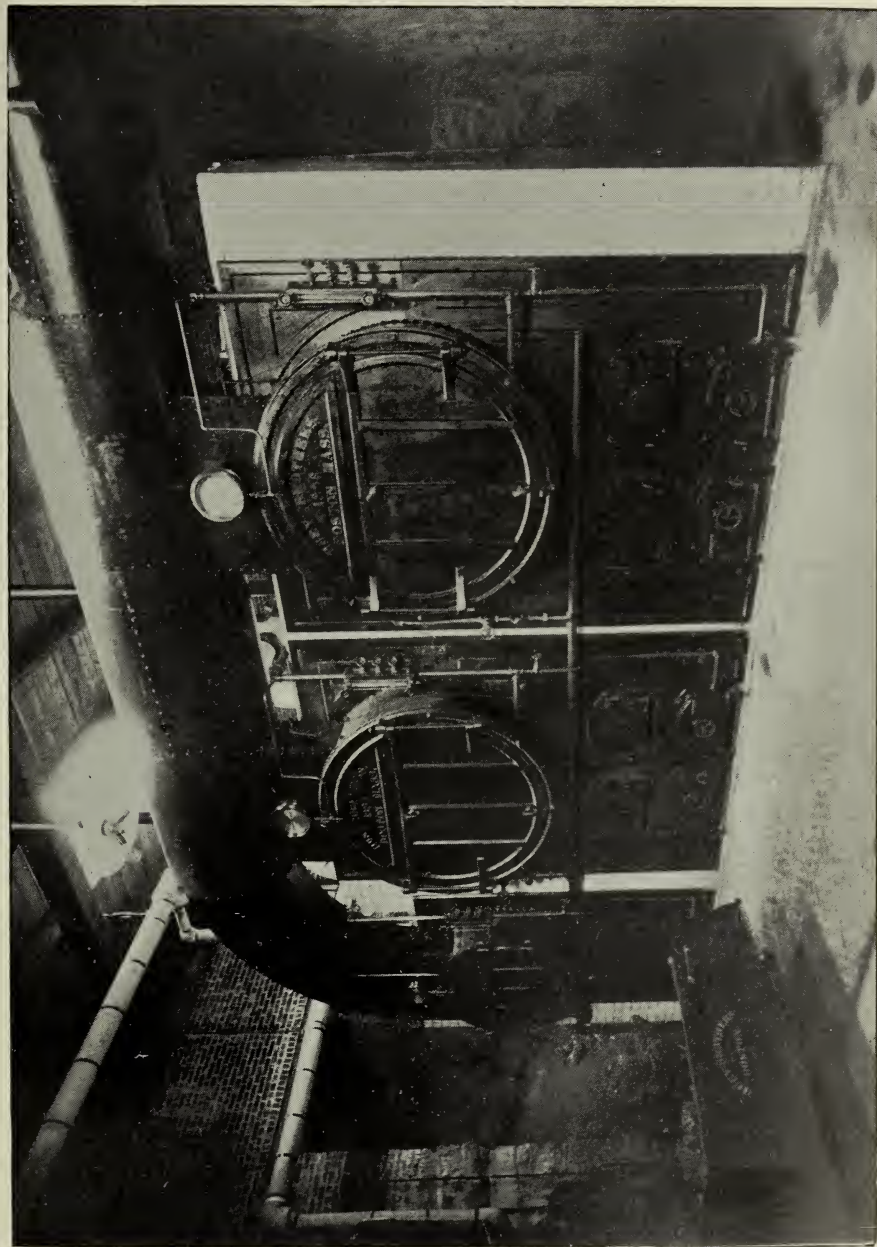


MAY HALL, STATE NORMAL SCHOOL, FRAMINGHAM, MASS.

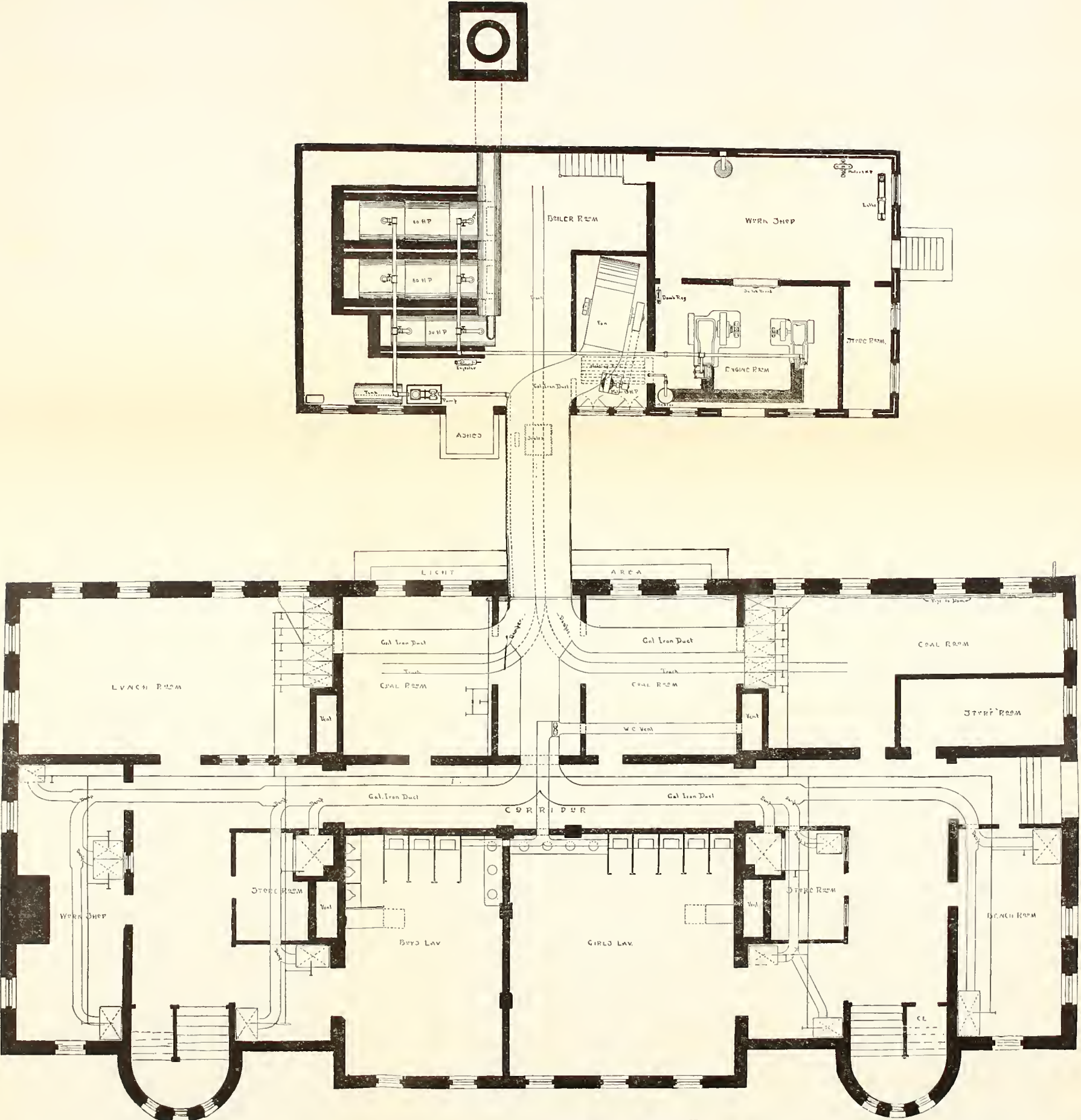
W. H. 1886



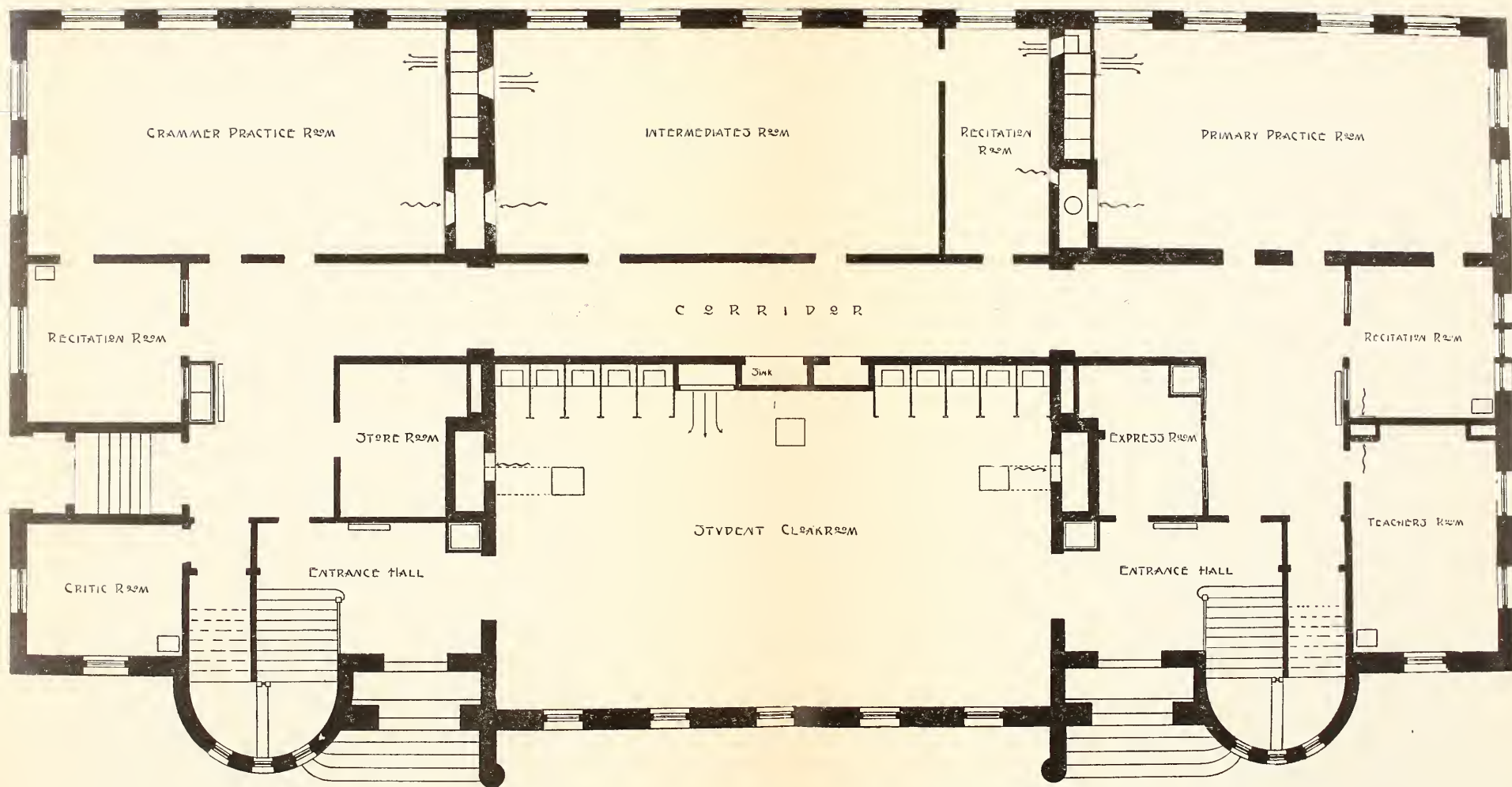
ENGINE ROOM, STATE NORMAL SCHOOL, FRAMINGHAM, MASS.



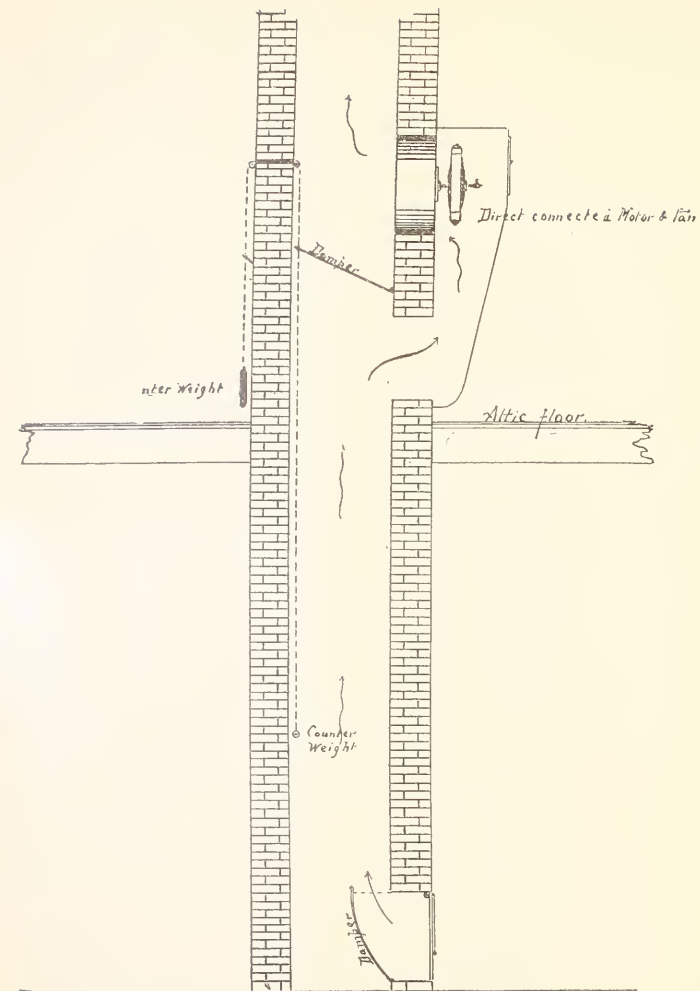
BOILER ROOM, STATE NORMAL SCHOOL, FRAMINGHAM, MASS.



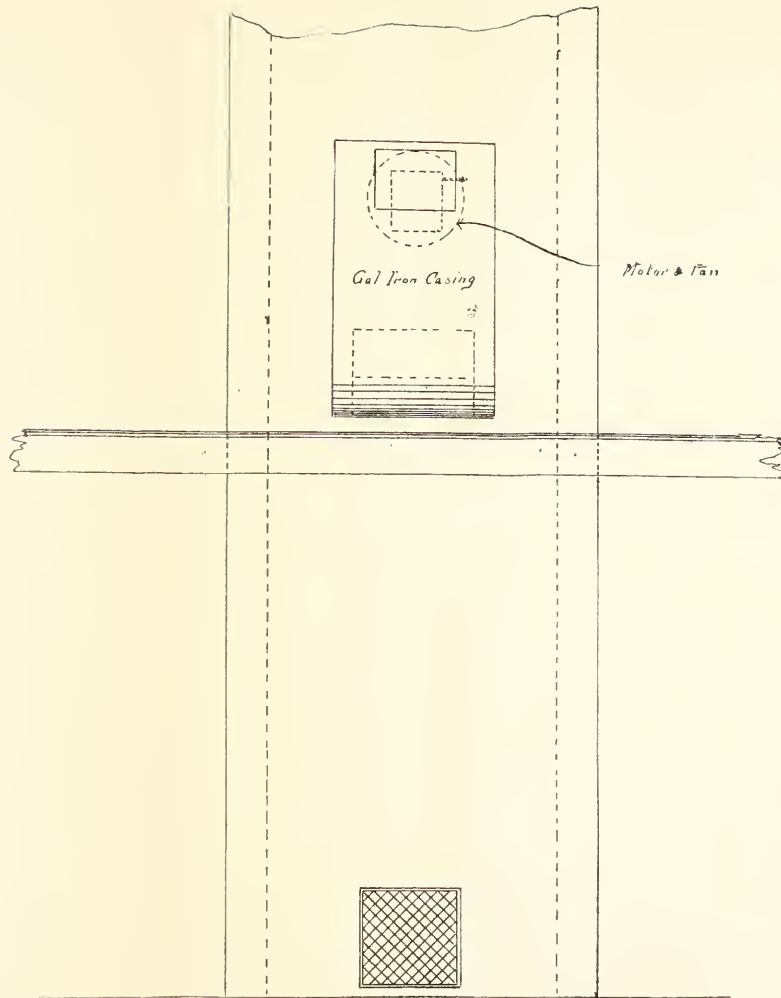
NORMAL SCHOOL FRAMINGHAM
HEATING & VENTILATION
DESIGNED & CONSTRUCTED BY
HVEY BROS. ENGRS. BOSTON



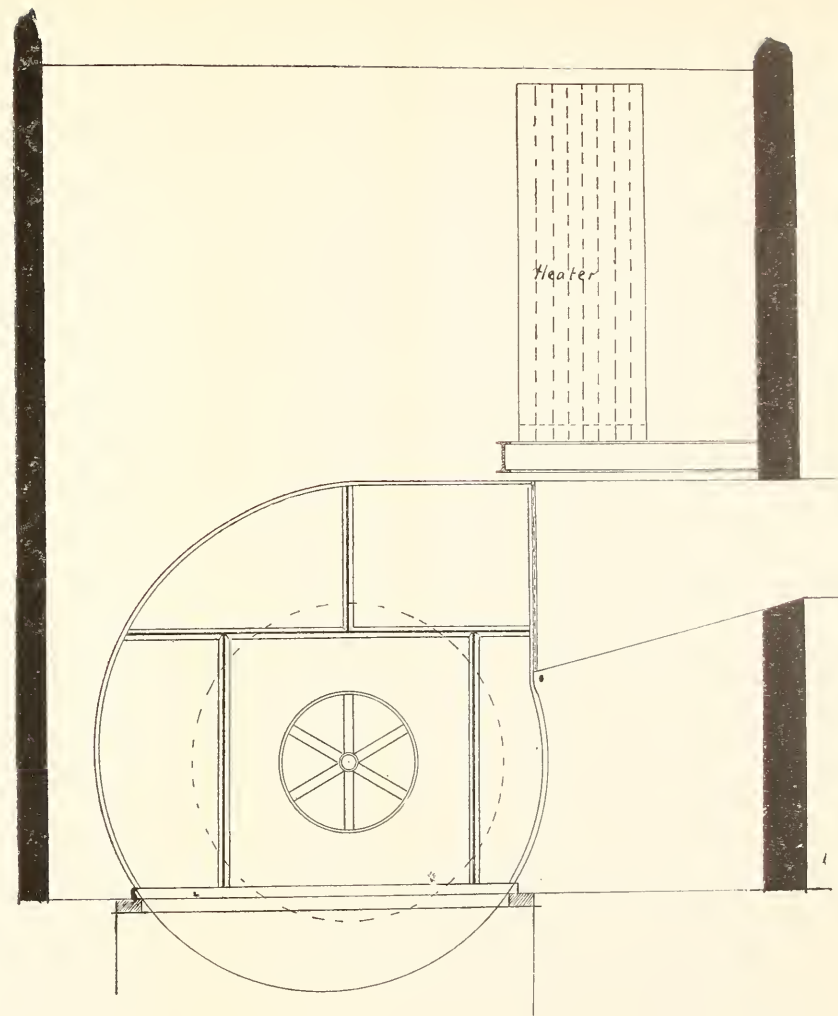
NORMAL SCHOOL - FRAMINGHAM
 HEATING & VENTILATION
 DESIGNED & CONSTRUCTED BY
 HVEY BROS & CO - BOSTON



SECTION THRU STACK



ELEVATION



SECTION THRU FAN

NORMAL SCHOOL - FRAMINGHAM
 HEATING & VENTILATION
 DESIGNED & CONSTRUCTED BY
 HIVEY BROS - ENG - BOSTON

Inspector Griffin reports : —

No serious difficulty presented itself during the year in enforcing the law governing the manufacture and sale of clothing in unhealthy places, and it is worthy of notice that the home manufacture of men's and boys' clothing in this State is now almost entirely confined to the finishing of trousers. While the home manufacture of ladies' wrappers, waists, aprons and children's dresses shows a slight increase over last year, yet they are mostly made by an intelligent and clean class of people, living in the suburbs and occupying good, healthy homes. The license section of the law has been very effective in compelling cleanliness among home workers, preventing the manufacture of clothing where disease exists, and could hardly be improved upon. The sending by the Board of Health of a daily list of all places where contagious and infectious diseases exist has enabled us to promptly prevent clothing being sent to such places, and to insure the proper disinfection of any such clothing if found therein. The strict enforcement of the law has checked all attempts that from time to time have been made to establish tenement-house workshops.

The regular tailor shops are for the best part in good condition, although considerable trouble has been met with in having many of them keep their floors and water-closets clean enough. However, this trouble has hardly been serious or great enough to warrant further legislation. In conclusion, it can be positively asserted that, while we look for still greater improvement, yet, through the strict and just enforcement of our present law, there is no State in the Union wherein clothing is made under more healthful conditions than in Massachusetts.

Inspector Plunkett reports : —

I have experienced no difficulty in enforcing the law relating to the manufacture and sale of tenement-house clothing in my district during the year. The few violations of its provisions relating to tenement-house workshops were due to ignorance of its requirements, which were complied with without recourse to prosecution.

The most beneficial improvements accomplished were due to the enforcement of the license clause of the law. In fact, the only labor performed on men's and boys' clothing in private families under this regulation is the finishing or hand-sewing on trousers. A great many licenses have been granted to persons engaged in making children's dresses, wrappers, overalls and underwear, the great majority of whom reside in the suburbs and towns of the district, in clean and healthful homes. During the year access to

the records of the boards of health has been cheerfully given where necessary, by means of which information of the occurrence of contagious diseases in any building in which a license had been granted was gained; but in this connection I am pleased to state that parties to whom a license had been granted have complied with the requirements imposed, and have immediately notified me.

STEAM AND HAND LAUNDRIES.

Safeguards against injury from machinery, insufficient ventilation, hours of labor and disease, consequent on marking and sorting clothing in washing, ironing and drying rooms in laundries, have received special attention.

It will be seen, by the report of Inspectress Fanny B. Ames, that the methods adopted and the precautions taken in the laundries visited by her, reduce to a minimum the possible exposure of the employees to contagious diseases.

Mrs. Ames reports : —

I have, at your request, made a special inspection of several steam laundries, employing from 50 to 100 women, and also of several small so-called hand laundries, with reference to the possible exposure of the women employed to contagion from disease and to vermin from filthy lodging-house washing.

I find that all clothing brought into a laundry first passes under the hands of "markers." These persons are certainly exposed to such vermin and disease as the clothing contains; but, though I was given entire freedom to talk separately and alone to the women employed, I could not find that any of them had ever suffered from getting vermin on their persons or from disease contracted in the laundry. Later inquiries of the officials of the Board of Health establish the fact that their precautions against the spread of infectious diseases by clothing or bedding would reduce the danger to a minimum.

It would be well, perhaps, that laundries, as well as school and clothing inspectors, should receive daily notification of places where there are infectious or contagious diseases, and be warned not to receive washings from such places till first disinfected by the Board of Health.

After the process of marking, the clothing is so handled in all the great steam laundries that there is no danger or annoyance possible from filth or disease. Each lodging-house and hotel wash is placed separately in a boiler, or compartment of one, and satu-

rated with steam and water, while revolved in these great churn-like machines. There is very little hand contact with the clothes until they are clean and dry.

The laundries find it difficult to adjust their work to the law limiting them to fifty-eight hours per week. Monday is their short day, and most of the employees have nothing to do on that day. All the other five days are very busy ones, and many of the proprietors would be glad to run the entire fifty-eight hours in five days for the majority of their workers. The statute regulating the hours of labor prohibits more than ten hours employment in any one day, except when a different apportionment of the hours of labor is made for the sole purpose of making a shorter day's work for one day of the week; and in no case may the hours of labor exceed fifty-eight in a week. Time tables are accordingly arranged, which usually provide for three to five hours Monday, and divide from fifty-five to fifty-three hours among the five remaining days.

HOURS OF LABOR OF WOMEN AND MINORS IN MANUFACTURING AND MECHANICAL ESTABLISHMENTS.

In my annual reports from 1880 to the present year I have at considerable length entered into the details of labor legislation. Laws have been enacted leading to regulations which have proved to be of the greatest benefit to the industrial classes throughout the State. During my services as chief of this department I have seen the gradual rise and progress of labor legislation and the constantly increasing demands made upon the factory inspectors. The development of the labor question has brought to the attention of successive Legislatures such facts in relation to the employment of women and minors, that, whether from motives of humanity or from other considerations, the Legislatures, representing the wishes of the people generally, from 1874, when the so-called ten-hour law was enacted, down to the session of the current year, have thrown the safeguards of law around the laboring people, and sought to protect them from the evils and dangers to which they were exposed by the cupidity or thoughtlessness of others.

Many difficulties have been overcome in the enforcement of the so-called labor laws. The patient efforts of the in-

spectors and their avoidance of undue friction have resulted in securing the co-operation of employers of labor and their cheerful compliance with the laws. The attitude now exhibited by manufacturers and others, employers of labor, towards the inspectors, has been earned by this quiet work, and it has become an important factor in the successful application of the statutes especially intrusted to this department to enforce.

In looking back to the early history of labor legislation, in limiting the hours of labor for women and minors in factories and similar establishments, it will be found that many years elapsed before the Legislature could be prevailed upon to take action upon the subject. The history of what was called the ten-hour law is a record of constant, feverish struggle, maintained year after year, passed in one branch of the Legislature and defeated in the other. It was not until several annual sessions had elapsed that the bill so earnestly and bitterly fought over became a law.

It seems strange to think now that the exercise of legislative power in behalf of the operative classes was formerly denounced as despotic and unconstitutional. It was regarded as an unwarrantable attempt of the State to control the contracts of labor which her citizens might desire to make.

Prior to that early effort, say forty years ago, the customary hours of labor of our large manufacturing establishments were twelve to fourteen each day. This time was reduced to eleven hours by the voluntary action of the manufacturers, and this was the case down to the period when the law was passed limiting the hours of labor to ten each day. As the operation of the act of 1874 and the enforcement of its several provisions developed beneficial results, further acts and amendments thereto were suggested and in succeeding years were enacted into law. In 1892 the law of 1874 was amended, making the number of hours of labor for women and minors in manufacturing and mechanical establishments fifty-eight in a week. It is safe to say that never in the history of Massachusetts have the laws in relation to the employment of labor been better complied with than at the present time. The growing interest in all civil-

ized communities in movements intended to improve the condition of the industrial classes is a work of progress in the right direction.

I wish briefly to refer to the laws which have been passed by the Legislature in relation to the employment of children and their attendance in the schools. In 1876 an act was passed prohibiting the employment of children under ten years of age. In 1883 the limit was extended or raised, by providing that no child under twelve years of age should be employed during the hours in which the public schools were in session. Again, in 1885, another change was made, which provided that no child under twelve years of age should be employed at any time during the day in which the public schools were in session. In 1888 these several statutes were repealed, and provisions were made that no child under thirteen years of age should be employed at any time in any factory, workshop or mercantile establishment, thereby raising the limit without any qualification to thirteen years, and making such period the time for compulsory school attendance. Other acts of legislation touching this subject contain in them provisions for the attendance at school of children who have reached the age limit for a certain number of weeks during each year, and requiring in each case a certificate showing the number of weeks of such attendance, or showing the age, birthplace and other facts, as the case may be, relative to the child.

Restrictions as to the age, hours of employment, schooling, sanitary provisions for comfort and health have been made and enforced with a view to lessen as much as possible the evils which are admitted to be inherent in any industrial system which permits and encourages the employment of child labor. If there is no alternative, no escape from methods which seem so destructive of the natural rights of children, and which are a barrier to physical development and mental culture, then we are shut up to such remedial measures as experience has shown to be available.

HEATING OF STREET RAILWAY CARS.

By an act of the Legislature approved March 16, 1895, a law was passed as follows :—

[ACTS OF 1895, CHAPTER 136.]

AN ACT RELATIVE TO THE HEATING OF STREET RAILWAY CARS.

Be it enacted, etc., as follows :

SECTION 1. The board of railroad commissioners shall require street railway companies to heat such cars when in use by them for the transportation of passengers, at such times, by such means and to such extent, as said board shall determine.

SECT. 2. Every street railway company shall forfeit twenty-five dollars for each trip run by any of its cars not heated as provided in section one, except in case of accident to the heating process or apparatus.

SECT. 3. It shall be the duty of the district police to see that the provisions of the preceding sections are enforced.

SECT. 4. This act shall take effect on the first day of November in the year eighteen hundred and ninety-five. [*Approved March 16, 1895.*]

As required by section 1 of the above law, the Railroad Commissioners issued the following requirements :—

IN BOARD OF RAILROAD COMMISSIONERS, Aug. 1, 1895.

Under the provisions of chapter 136 of the Acts of 1895, entitled, "An act relative to the heating of street railway cars," after notice to the several street railway companies and a public hearing of such as desired to be heard, and upon consideration by the Board, it is determined and

Ordered, That the following requirements and regulations be prescribed and notified to the several companies relative to the subject matter of the aforesaid act :—

REGULATIONS FOR THE HEATING OF STREET RAILWAY CARS.

1. The several street railway companies shall equip such electric box cars as are used by them for the transportation of passengers in the months of November, December, January, February or March in each year, with suitable apparatus for heating the same by electricity : *provided*, that other than electric heaters may continue to be used in such cars as are now equipped therewith, until the further order of the Board.

2. Electric box cars, while in use for the purpose and during the months aforesaid, shall, whenever the outside temperature is less than

50° F. above zero, be kept warm by such electric or other heaters to an inside temperature (as near as may be) of not less than 50° nor more than 60° above zero, except at times when the company is temporarily prevented from so doing by storms, accident or other controlling emergency.

3. These regulations shall take effect on the first day of November, 1895, and may be modified from time to time in general or in particular, as experience and the public comfort may seem to the Board to require.

Attest :

WM. A. CRAFTS, *Clerk*.

Under the provisions of the above statute, it was made the duty of the district police to enforce the requirements and regulations of the Board of Railroad Commissioners relative to the provisions of said act.

The requirements that electric box cars, while in use during the months of November, December, January, February and March in each year, shall, whenever the outside temperature is less than 50° F. above zero, be kept warm by means of electric or other heaters to an inside temperature (or as near as may be) of not less than 50° nor more than 60° above zero, received my prompt attention. Early in November last past officers were detailed to inspect all street railway cars coming under the law, and to make daily reports as to the temperature found therein. The several officers detailed for this work, from Nov. 1, 1895, to March 1, 1896, made 2,917 inspections; of that number, 100 cars were found not having the proper temperature. The officers noticed that this was occasioned by the heaters not being large enough to convey heat sufficient to warm the cars. Four hundred cars were found moderately heated, and in these cases the officers observed that the opening of the front and rear doors of the cars at the same time was one of the causes why the cars were at times uncomfortable. It was also observed by the officers that in some instances the wires leading to the heaters were not large enough to carry the amperage for which the heaters were made. Insufficient power to generate heat and defect in heating apparatus were found to be some of the factors why the temperature could not be kept up to the standard. The officers found one or more heaters that were cold, while the rest of the heaters in the same car were emitting more or less heat.

To comply with the law requiring the heating of street cars, the West End Street Railway Company made contracts for additional engines and generators early in 1895, and at its central power station on Harrison Avenue changed over two 1,000 horse-power engines, to add 250 horse-power capacity to each engine. The first of these was started on Nov. 3, 1895, and the second on Nov. 16, 1895. It also installed one new 2,000 horse-power engine, which was completed and started on Dec. 27, 1895, making 2,500 additional horse-power started at central power station during November and December, 1895. It also contracted for and built at Charlestown a power station containing two 1,000 horse-power engines, one of which was started on Jan. 8, 1896, and the other on Jan. 31, 1896. In addition to the above, it has installed this year 3,000 additional horse-power at central power station, consisting of an increase of 250 horse-power on four engines changed over, and one new 2,000 horse-power engine. It has also built at Dorchester, on Freeport Street, a new power station, containing two 1,500 horse-power engines, making a total of 6,000 horse-power added for use during the winter.

UNSAFE ELEVATORS.

The laws relating to the inspection of elevators are reasonably complete, and this department intends that by no negligence of its own shall their beneficial results be lost to the public. I find by the reports of the inspectors that 763 elevators have been inspected during the past year.

FACTORIES, PUBLIC BUILDINGS AND TENEMENT-HOUSES.

Careful attention has been paid to the enforcement of the provisions of the law relating to means of egress from factories, public buildings and tenement-houses, and the future must show a good result from the law. Neglect to provide safe means of egress should not through any negligence or thoughtlessness of owners of buildings be permitted. The law is clear and explicit; no discretion is given the inspectors in its enforcement.

SEATS FOR FEMALE EMPLOYEES.

Section 30, chapter 508 of the Acts of 1894, is as follows : —

SECT. 30. Every person or corporation employing females in any manufacturing, mechanical or mercantile establishment in this Commonwealth shall provide suitable seats for the use of the females so employed, and shall permit the use of such seats by them when they are not necessarily engaged in the active duties for which they are employed.

The public interest awakened by the statements of medical men and others, based upon the practical hardship of compelling women and girls employed many hours daily in manufacturing, mechanical and mercantile establishments to remain standing at their respective occupations, led to the enactment of the above sensible statute. It is gratifying to be able to state that there is a general compliance with its provisions. The law has done much good, and I have never heard of any desire for its repeal.

SAFETY OF OPERATIVES.

Another act of the Legislature which experience has shown to be necessary is here appended. Sections 53 and 54, chapter 481, Acts of 1894, read as follows : —

SECT. 53. No outside or inside doors of any building wherein operatives are employed shall be so locked, bolted or otherwise fastened during the hours of labor as to prevent free egress.

SECT. 54. Any firm, person or corporation, being the owner, lessee or occupant of any such building shall, after receiving five days' notice in writing from one of the inspectors of factories and public buildings, comply with the provisions of the preceding section.

The danger to life and limb in case of fire or panic, by keeping locked the doors in factories and workshops during the hours of labor, was shown to be so imminent that the prohibition of the practice was demanded by considerations too weighty to be overlooked, and its enforcement has doubtless prevented some public calamities.

PROTECTION FROM MACHINERY.

Careful attention has been given to the enforcement of the provisions of the law for the protection of operatives from exposed and dangerous shafting. The record of accidents to employees and others has been diminished by reason of the wise legislation requiring belting, shafting, gearing, etc., to be properly guarded. Section 23, chapter 481, Acts of 1894, reads as follows : —

SECT. 23. The belting, shafting, gearing and drums of all factories, when so placed as to be, in the opinion of the inspectors of factories and public buildings, dangerous to persons employed therein while engaged in their ordinary duties, shall be as far as practicable securely guarded. No machinery other than steam engines in a factory shall be cleaned while running, if objected to in writing by one of said inspectors. All factories shall be well ventilated and kept clean.

SUMMARY OF INSPECTION WORK.

The record of work performed by the inspectors shows that 5,306 manufacturing, mechanical and mercantile establishments have been inspected since my last report.

Orders have been issued to the number of 2,740, and there has been a general compliance with said orders. The number of children and young persons employed in factories and workshops thus far visited is 13,974; young persons employed, between fourteen and sixteen years of age, 13,847; children employed, between thirteen and fourteen years of age, 127.

Number of males employed,	. . . . .	208,502
Number of females employed,	. . . . .	160,514
Whole number of males and females employed,	. . . . .	369,016

REPORT OF BUILDINGS INSPECTED, INCLUDING PLANS RECEIVED AND CHANGES RECOMMENDED.

REPORT OF INSPECTOR WHITE.

SIR : — I have the honor to submit herewith, in the usual tabulated form, a report of the work done by me in inspection of public buildings in District No. 1 during the year ending November 1.

As you are aware, there is but a small portion of the work done by an inspector who is detailed for inspection of public buildings and ventilation that can be made to appear in such a report.

In the first place, he must carefully examine all plans for such buildings after they are deposited with him, before approval, and frequently spend a great deal of time in consultation with architects and owners before the buildings are erected. Then he should (if he can find time) visit every building while in process, to see that his orders and suggestions for changes are properly carried out, and the laws and regulations of this department complied with. A careful inspection of the means of ventilation is also required after the building is completed, and tabulated reports of the results obtained filed in this office.

A large number of requests have been made by local authorities during the past year for examination of buildings represented to be dangerous, and such work has taken considerable time.

In the list of buildings inspected I have included those only in which I found it necessary to give written orders for changes to be made. In the list of plans received I have included, under the head of "changes recommended," oral suggestions given in some cases to architects before the plans were filed, as well as written orders given after the plans were finally deposited in the office for approval.

In the matter of safety from fire and in means for ventilation I believe the school buildings erected in my district during the past year are in advance of any heretofore constructed, and there is every reason to hope that improvement will continue.

Plans Received and Changes Recommended.

DISTRICT No. 1. JOHN T. WHITE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Kernwood Club,	Malden,	Plans of addition only.
German Central Club,	Lawrence,	- -
Flanley block,	Wakefield,	Better egress.
Ward 6 school,	Lawrence,	Better ventilation.
Ring's block,	Bradford,	Fire-escape; fire-stops.
Savoy Theatre,	Lowell,	Better egress; ventilation.
Bijou Theatre,	Lowell,	Better egress; fire protection.
Washington school,	Everett,	Ventilation plans only.
Winslow school,	Everett,	Ventilation plans only.
Glendale school,	Everett,	Ventilation plans only.

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Centre school,	Saugus,	Ventilation.
Bavarian Club,	Lawrence,	- -
School,	Wakefield,	- -
First Church of Christ,	Lawrence,	- -
Westford Academy,	Westford,	Better ventilation.
Euclid Avenue school,	Lynn,	- -
Woburn Skating Academy,	Woburn,	Plan showing changes ordered.
Ward 1 school,	Cambridge,	Better fire protection.
First Congregational Church,	Lawrence,	Better ventilation.
St. Mary's C. T. A. Society,	Lynn,	- -
Female Asylum,	Tewksbury,	- -
Pilgrim hall,	Lowell,	Fire-escape.
Odd Fellows hall,	Chelmsford,	Better egress.
St. Joseph's C. T. A. Society,	Lynn,	- -
Free Baptist Church,	Somerville,	- -
St. Augustine Church,	Andover,	- -
Knights of Pythias hall,	Malden,	- -
Ellery's block,	Gloucester,	- -
School,	Wakefield,	Additional stairway.
School,	Wilmington,	Better ventilation.
Evangelical Church,	Cambridge,	- -
Cradock school,	Medford,	Better ventilation.
Chapin school,	Winchester,	Better ventilation.
Wyoming school,	Melrose,	Better ventilation.
East school,	Saugus,	Better ventilation.
St. Joseph's school,	Haverhill,	Better ventilation.
Town hall,	Danvers,	Better ventilation.
Y. M. C. A. building,	Cambridge,	- -
Swan school,	Medford,	Improved ventilation.
Parochial school,	Lynn,	Better ventilation.
Reformed Presbyterian Church,	Cambridge,	- -
Everett school,	Medford,	Improved ventilation.
St. Patrick's Home,	Lowell,	- -
High school,	Amesbury,	Better ventilation.
Grace Church,	Lawrence,	- -
Kelley school,	Newburyport,	Better ventilation.
St. Paul's Church,	Lowell,	Change in stairs.
Pine Street school,	Lowell,	- -

Plans Received, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Highland school,	Melrose,	- -
Bartlett school,	Lowell,	- -
Lincoln school,	Lowell,	- -
G. A. R. building,	Everett,	Fire-stops.
Old high school,	Medford,	Improved sanitarries.
Tufts school,	Medford,	Improved sanitarries.
James school,	Medford,	Improved sanitarries.
Almshouse,	Medford,	Better ventilation.
Howe school,	Billerica,	Improved ventilation.
Plain Street school,	Lowell,	- -
Carter Street school,	Lowell,	- -
J. T. Glines school,	Somerville,	Improved ventilation; addition to building.
City hall addition,	Somerville,	- -
Lynnfield Centre school,	Lynnfield,	Improved ventilation.
Centre school,	Lincoln,	Ventilation.
Pi Eta Club,	Cambridge,	Fire-stops; better ventilation.
Ashland Street school,	Newburyport,	- -
M. E. Church,	West Medford,	- -
Chelmsford Centre school,	Chelmsford,	Addition; ventilation.
South Medford Baptist Chapel,	Medford,	- -
Almshouse,	Lawrence,	- -
Middlesex Traders Association,	Wakefield,	- -
R. C. Church,	Methuen,	- -
St Mary's Church,	Everett,	- -
Chapel, State Almshouse,	Tewksbury,	- -

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 1. JOHN T. WHITE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Andover.		
The Musgrave,	Better escape; protection from fire,	-
Arlington.		
Town hall,	Stand-pipe and hose in corridor,	Complied.
Bradford.		
Ring's block,	Fire-escape; better protection from fire,	Complied.
Kimball Street school,	Better care of sanitarries,	-
Locke Street school,	Better care of sanitarries,	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Cambridge.		
Gannett school,	Better protection from fires, . . .	Complied.
Chelmsford.		
Centre school,	Better ventilation,	Being complied with.
Dracut.		
Lake View Theatre,	Doors to open out; fire-proof curtain; proscenium wall made fire-proof; means to extinguish fire.	-
Everett.		
Home school,	Fire-escapes,	-
Devens school,	Additional stairway; better ventilation.	Complied.
Gloucester.		
Ferguson's block,	Fire-escape to be extended; means to extinguish fire.	-
Lowell.		
Associates hall,	Escape from gallery; better guards against fire; exits to be marked.	Complied.
Lynnfield.		
Centre school,	Better ventilation,	Complied.
Malden.		
Brown's block,	Fire-escape,	Complied.
Medford.		
Cradock school,	Better ventilation,	Complied.
Everett school,	Better ventilation,	Complied.
Opera House,	Additional egress,	Complied.
Odd Fellows hall,	Fire-escape extension,	-
Somerville.		
Luther V. Bell school,	Better ventilation,	Complied.
Stoneham.		
Walton block,	Fire-escape; door to open out, . . .	-
Winchester.		
Chapin school,	Better ventilation,	Complied.
Woburn.		
Skating Academy,	Additional egress; better sanitarries,	Complied.

REPORT OF INSPECTOR BARDWELL.

SIR:—In submitting the tabulated statements of inspections made and plans received by me during the past year, I beg to report that, while most of the orders given have been complied with, there have been considerable trouble and delay with a few, caused chiefly, I believe, by the financial inability of the owners to comply promptly, rather than by a desire to evade the law; with such cases I have endeavored to be considerate, and have allowed them as much time as I properly could.

I seldom find a lodging-house or hotel completely equipped with rope fire-escapes, even if supplied the previous year, some being lost or stolen between visits of the inspector.

The requirements of the department regarding fire and smoke stops have been carried out in most of the new buildings for which plans have been received, and in some instances additional ways

of egress have been ordered. Many of the larger buildings have been visited several times, to see that the work was being properly done.

A few of the tabulated orders have not been complied with, but I think will be in a short time.

Plans Received and Changes Recommended.

DISTRICT No 1. HENRY J. BARDWELL, *Inspector.*

BUILDING.	Location.	Changes Recommended.
The Dunster,	Cambridge, . .	None.
Ward 5 engine house, . . .	Cambridge, . .	None.
Culhane's apartment house, . .	Cambridge, . .	Fire-stops.
Green's apartment house, . . .	Cambridge, . .	Fire stops.
University Press,	Cambridge, . .	Fire-escapes.
Prescott hall,	Cambridge, . .	Tinned door.
McCloskey's apartment block, . .	Cambridge, . .	Fire-stops; better egress.
Smith's apartment block, . . .	Cambridge, . .	Fire-stops; one balcony.
Hoffman's apartment block, . . .	Cambridge, . .	Fire-stops; two balconies.
Farlinski's tenement house, . . .	Cambridge, . .	Fire-stops; iron balconies.
Dyme's tenement house,	Cambridge, . .	None.
Dauskin's tenement house, . . .	Cambridge, . .	Better egress.
Fabyan's apartment house, . . .	Cambridge, . .	None.
O'Connor's apartment house, . .	Cambridge, . .	Additional doorway.
Place's box factory,	Cambridge, . .	Enclosed stairways.
Claverly hall,	Cambridge, . .	None.
Sterling's apartment block, . . .	Cambridge, . .	None.
Henry Green's apartment block (5 houses).	Cambridge, . .	Fire-stops.
Josiah Green's apartment block (5 houses).	Cambridge, . .	Fire-stops.
Russell's candy factory,	Cambridge, . .	Additional stairway
Hanlon's apartment house, . . .	Cambridge, . .	None.
Read's block,	Cambridge, . .	None.
Everett Cycle Company's factory, .	Everett, . . .	Fire-stops.
Kingman's apartment house, . . .	Everett, . . .	Fire-stops.
The Rawson lodging house, . . .	Everett, . . .	None.
Bissonnette's tenement house, . .	Everett, . . .	Fire-stops.
The Mansion House,	Hudson, . . .	Fire escape.
Seymour's tenement house, . . .	Hudson, . . .	Fire-escape; door cut.
Brett's shoe factory,	Hudson, . . .	Additional stairway.
Hamel's tenement house,	Lowell, . . .	None.
Boisvert's tenement house, . . .	Lowell, . . .	None.

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Hamilton Manufacturing Company's store house.	Lowell, . . .	None.
Old city hall building, . . .	Lowell, . . .	Fire-escape; fire-stops.
Hall's apartment house, . . .	Lowell, . . .	None.
Vincent Bros.' tenement house, . . .	Lowell, . . .	Brick partition wall; fire-stops.
Bibeault's tenement house, . . .	Lowell, . . .	Fire-escape; fire-stops.
Pelletier's tenement house, . . .	Lowell, . . .	Brick partition wall; fire-stops.
Latour's tenement house, . . .	Lowell, . . .	None.
Hamel's tenement house, . . .	Lowell, . . .	Fire-stops.
Benoit's tenement house, . . .	Lowell, . . .	Fire-stops.
Peinault's tenement block, . . .	Lowell, . . .	Fire-stops.
Thompson's apartment house, . . .	Lowell, . . .	Fire-stops.
Bernstein's tenement house, . . .	Lowell, . . .	Brick partition wall; additional stairs.
Bramm's tenement house, . . .	Lowell, . . .	None.
C. I. Hood's apartment block, . . .	Lowell, . . .	None.
Hebert's tenement block, . . .	Lowell, . . .	Brick walls; balconies; fire-stops.
Shattuck's tenement house, . . .	Lowell, . . .	Fire-escape; doors cut; fire-stops.
Chalfoux's tenement house, . . .	Lowell, . . .	None.
Haworth & Watson's factory, . . .	Lowell, . . .	None.
Turner's tenement block, . . .	Lowell, . . .	Brick walls; balconies; fire-stops.
Marin's block,	Lowell, . . .	Fire-escape; fire-stops.
Bennett's tenement house, . . .	Lowell, . . .	Additional egress.
Murphy's tenement house, . . .	Lowell, . . .	Fire-escape.
Dugdale's apartment house, . . .	Lowell, . . .	None.
Cady's tenement house, . . .	Lowell, . . .	Fire-escape
Milot's tenement house, . . .	Lowell, . . .	Additional stairway.
Southwick's apartment house, . . .	Malden, . . .	Fire-stops.
Middlesex Last Company's factory,	Malden, . . .	Additional stairway.
Hudson's apartment house, . . .	Malden, . . .	Fire-stops.
Rich's block,	Malden, . . .	Fire-stops; cut doors through.
Richards' apartment house, . . .	Malden, . . .	None.
Rice, Hutchins & Co.'s factory, addition.	Marlborough, . . .	None.
Henry Parsons' factory, . . .	Marlborough, . . .	None.
Potter's apartment house, . . .	Medford, . . .	None.
Taylor's apartment block, . . .	Newton, . . .	Cut doors through.
Moore's factory,	North Chelmsford, . . .	Enclose stairs; fire-stops.
Symond's box factory,	Reading, . . .	None.
Edgarton Company's suspender factory.	Shirley, . . .	Fire-escape.
Beaudet's apartment house, . . .	Somerville, . . .	Iron bridges; fire-stops.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Edgerly's apartment house, . . .	Somerville, . . .	Fire-stops.
Broadway fire station, . . .	Somerville, . . .	None.
Horton's trunk factory, . . .	Somerville, . . .	Enclose stairway.
Page's apartment house, . . .	Somerville, . . .	Fire-stops.
Drouet's apartment house, . . .	Somerville, . . .	Fire-stops.
Collet's apartment house, . . .	Somerville, . . .	None.
Dewire's apartment block, . . .	Somerville, . . .	Two balconies; fire-stops.
Colson's apartment house, . . .	Somerville, . . .	Fire-escape; doors cut; fire-stops.
Gray's apartment house, . . .	Somerville, . . .	Fire-stops.
Southerland's apartment block, . . .	Somerville, . . .	Fire-stops.
Merriam's piano stool factory, . . .	South Acton, . . .	Fire-escape.
Gillespie's tenement block, . . .	Wakefield, . . .	Fire-escapes.
Waltham Manufacturing Company's factory.	Waltham, . . .	Fire-escape.
Waltham Manufacturing Company's factory (No. 2).	Waltham, . . .	Enclosed stairways.
American Waltham Manufacturing Company's factory.	Waltham, . . .	Fire-escapes.
Hood's rubber factory, . . .	Watertown, . . .	Enclosed stairways.
Union Carpet Lining Company's factory.	Watertown, . . .	Enclosed stairways.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 1. HENRY J. BARDWELL, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Ayer.		
The Union House, . . .	Rope fire-escapes; fire pails, . . .	Complied.
Cambridge.		
Hotel Washington, . . .	None, . . .	—
Cushing Process Company, . . .	Fire-escape; stair railings, . . .	Complied.
J. C. Davis & Son, soap factory, . . .	None, . . .	—
George Close, candy factory, . . .	Repair fire-escape; stair railing, . . .	Complied.
Charles Place, box factory, . . .	Enclose stairways; iron bridges; stair railings.	Building burned.
Ginn & Co., publishers, . . .	None, . . .	—
Allen & Endicott Co.'s building, . . .	Enclosed stairways, . . .	Complied.
University Press building, . . .	Fire-escapes, . . .	Complied.
Schwartz lodging house, . . .	None, . . .	—
H. M. Sawyer & Son Co., . . .	Rope fire-escapes, . . .	Complied.
Everett.		
Everett Cycle Company, . . .	Enclose stairway, . . .	Complied.
The Prescott, . . .	Additional stairway; rope fire-escape, . . .	Complied.
Gould's tenement block, . . .	Fire-escape, . . .	Complied.
Hudson.		
Bradley & Saywood, shoe factory, . . .	Repair fire-escape, . . .	Complied.
F. Brigham & Co.'s factory, . . .	Additional stairway, . . .	Complied.
Dunn, Green & Co.'s factory, . . .	None, . . .	—
Hudson Worsted Company, . . .	None, . . .	—
Hudson House, . . .	None, . . .	—
Sherman House, . . .	Rope fire-escapes; fire pails, . . .	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Hudson — Con.		
American House,	Repair rope fire-escapes; fire pails, .	Complied.
W. C. T. U. House,	Fire pails,	Complied.
Mansion House,	Fire-escape; fire pails,	Complied.
Stowe, Bills & Hawley's factory, .	None,	-
Jefts' shoe factory,	None,	-
Brett's shoe factory,	None,	-
Lowell.		
Rault's tenement block,	Repair fire-escape,	Complied.
Thibault's tenement house (No. 1),	Repair fire-escape,	Complied.
Thibault's tenement house (No. 2),	None,	-
Beaulieu's tenement house,	Repair fire-escape,	Complied.
Josselyn's tenement house (No. 1),	Fire-escape; change windows,	Complied.
Josselyn's tenement house (No. 2),	Repair fire escape,	Complied.
Josselyn's tenement house (No. 3),	Repair and rebuild fire-escapes,	Complied.
Julien's tenement house (No. 1), .	Fire-escape,	Complied.
Julien's tenement house (No. 2), .	Repair fire-escape,	Complied.
Julien's tenement house (No. 3), .	None,	-
Julien's tenement house (No. 4), .	Repair fire-escapes,	Complied.
Criterion Knitting Company,	Fire-proof over boilers,	Complied.
American Card Clothing Company, .	Unfasten outside doors,	Complied.
L. S. Kimball's factory,	Remove obstructions to fire-escape, .	Complied.
Wheelock's tenement house,	Fire escape,	Vacated.
Riopelle's tenement house,	Fire-escape; cut doors,	Complied.
Hall's apartment house,	None,	-
Stover's shoe factory,	Fire-escape,	Complied.
Vincent's tenement block,	Repair fire-escape doors,	Complied.
The Brooks House,	Rope fire-escapes; fire pails,	Complied.
The Old Washington Tavern,	Rope fire-escapes; fire pails,	Complied.
American House,	None,	-
Franklin House,	Fire-escape; rope fire-escape,	-
Trilby House,	Rope fire-escapes; fire pails,	Complied.
Ladd House,	Rope fire-escapes; fire pails,	Complied.
St. James Hotel,	Rope fire-escapes; fire pails,	Complied.
St. Lawrence Hotel,	Rope fire-escapes; fire pails,	Complied.
St. Charles Hotel,	Fire pails,	Complied.
Lowell Inn,	Fire pails,	Complied.
Central House,	Fire pails,	-
Gallagher House,	None,	-
Globe Hotel,	Rope fire-escapes; fire pails,	Vacated.
Merrimac House,	Rope fire-escape; red lights; fire pails,	-
St. Cloud Hotel,	Fire pails,	Vacated.
Waverley House,	Fire pails,	Complied.
Moody House,	None,	-
The Bon Marché building,	Fire alarm gongs; fire pails,	Complied.
Mitchell's block,	None,	-
C. I. Hood & Co.'s laboratory, . . .	None,	-
Delisle's tenement house,	None,	-
Young's lodging house,	Rope fire-escapes; fire pails,	Complied.
Harris' tenement house,	None,	-
Spaldings' block,	Rope fire-escapes,	Complied.
Wentworth block,	Fire-escape; rope fire-escapes; fire pails.	Complied.
Murphy's tenement house,	Repair fire-escape,	Complied.
Donovan's building,	Rope fire-escapes,	-
Sawyer carriage factory,	None,	-
Boisvert's tenement house,	Fire-escape,	Complied.
Murphy's tenement house (No. 1), .	Fire-escape,	-
Murphy's tenement house (No. 2), .	Fire-escape,	-
Murphy's tenement house (No. 3), .	Fire-escape,	Complied.
Fay's tenement house (No. 1), . . .	Fire-escape; stair railings,	Complied.
Fay's tenement house (No. 2), . . .	None,	-
Brophy's tenement house,	Fire escape,	-
O'Donnell's tenement house,	Fire-escapes,	Complied.
Malden.		
Hotel Evelyn,	Repair fire-escape; rope fire-escapes, .	Complied.
The Victoria,	Rope fire-escapes; fire pails,	Complied.
The Howard House,	Rope fire-escapes; fire pails,	Complied.
Hotel Malden,	Rope fire-escapes; fire pails,	Complied.
Central House,	None,	-
Griffith's lodging house,	None,	-

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Marlborough.		
Hotel Preston,	Rope fire-escapes; fire pails,	Complied.
Marlborough Hotel,	Rope fire-escapes,	Complied.
Hotel Beaudreau,	None,	-
Windsor House,	Rope fire-escape; fire pails,	Complied.
Central House,	Rope fire escapes,	-
Russell & Co.'s shoe factory,	Extend fire-escape; remove obstructions.	Complied.
Stevens box factory,	None,	-
Howe Shoe Company's factory (No. 1),	None,	-
Howe Shoe Company's factory (No. 2),	None,	-
Rice & Hutchens shoe factory,	Remove obstructions; stair railings,	Complied.
Melrose.		
Shepard Manufacturing Company,	None,	-
Newton.		
Central block,	None,	-
Parker House,	None,	-
Reading.		
Elms House,	Rope fire-escape; fire pails,	-
Shirley.		
C. A. Edgarton Manufacturing Company,	Fire-escape; stair railings; unlock doors.	-
Somerville.		
Cushman Bros. & Co.'s factory,	None,	-
Miller Bros. & Co.'s corporation,	Repair wooden bridge,	Complied.
Derby Desk Company,	Fire-escapes; unlock doors,	Complied.
Horton's trunk factory,	None,	-
South Acton.		
Merriam & Co., piano stools,	Fire-escape; stair rails,	-
Stoneham.		
Blank Bros. leather factory,	None,	-
Cogan & Son's shoe factory,	None,	-
E. L. Patch Company's laboratory,	None,	-
Wakefield.		
Gillespie's tenement block,	Fire-escapes,	-
Waltham.		
Waltham Manufacturing Company,	Fire-escape,	Complied.
American Waltham Manufacturing Company,	Fire-escapes,	Complied.
The Adams House,	Rope fire-escapes,	Complied.
Hotel Riverside,	Rope fire-escapes; fire pails,	-
Hotel Crescent,	None,	-

REPORT OF INSPECTOR MOORE.

SIR:—In making a report of the duties performed by me, it is impracticable to show in tabulated form more than a small portion of the work done.

In list of buildings inspected there are included only such as have required orders to be given. Many others in which no orders were given are not included.

In the list of plans received a tabulated report shows but a small part of the work performed. In many cases preliminary plans have been submitted for criticism before the finished plans were filed, and in most cases suggestions have been made, either in the construction and means of safety against fire or in heating and ventilation; these suggestions having been adopted, no changes were made in the finished plans.

A very considerable part of my time has been used in consultation with architects, heating and ventilating engineers, contractors and building committees; in visits to buildings in process of construction; testing various heating, ventilating and sanitary devices; also in examination of buildings and structures reported as unsafe.

I am pleased to note a decided improvement in the construction and ventilation of public buildings.

Plans Received and Changes Recommended.

DISTRICTS NOS. 2, 3 AND 6. JOSEPH A. MOORE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Four-room school building, . . .	Avon, . . .	Fire-stops; guarantee of ventilation.
Two-room school building, . . .	Attleborough, . . .	Heating and ventilation not yet approved.
Odd Fellows building, . . .	Attleborough, . . .	Main doors to open out.
Roxbury and King streets primary school.	Boston, . . .	Reheating and ventilating plans; guarantee of ventilation.
Cyrus Alger school,	Boston, . . .	Reheating and ventilating plans; guarantee of ventilation.
Everett school,	Boston, . . .	Reheating and ventilating plans; guarantee of ventilation.
Norcross grammar school, . . .	Boston, . . .	Reheating and ventilating plans; guarantee of ventilation.
Dorchester Everett grammar school,	Boston, . . .	Reheating and ventilating plans; guarantee of ventilation.
Druce Street school building, . .	Brookline, . . .	Change in ventilation.
Public bath house,	Brookline, . . .	- -
St. Lawrence Chapel,	Brookline, . . .	Heating and ventilation not yet approved.
Grand stand N. E. T. H. B. A., . .	Dedham, . . .	- -
Sears library,	East Dennis, . .	Fire-stops; guarantee of ventilation.
Police building,	Fall River, . . .	Guarantee of ventilation.
American hall,	Fall River, . . .	Fire-stops; additional egress; ventilation.
Armory,	Fall River, . . .	- -
St. Michael's Church,	Fall River, . . .	Widen doors; ventilation not approved.
Harrison Street school building, .	Fall River, . . .	- -
Davenport school building, . . .	Fall River, . . .	Reventilation to be guaranteed.
S. P. Winslow school building, . .	Fall River, . . .	- -
East Globe Street school building, .	Fall River, . . .	- -
Cormier's block,	Fall River, . . .	- -

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Oxford primary school building, . . .	Fairhaven, . . .	- -
Four-room school building, . . .	Foxborough, . . .	Ventilation to be guaranteed.
Primary school building, . . .	Framingham, . . .	Fire-stops; change in ventilation.
State normal school buildings, . . .	Framingham, . . .	Reheating and ventilation to be guaranteed.
W. H. Chase building, . . .	Hudson, . . .	Additional egress; fire-stops.
Hyannis training school building, . . .	Hyannis, . . .	Fire-stops; guarantee of ventilation.
Hyannis Yacht Club building, . . .	Hyannis, . . .	- -
Addition Bolton Street school building.	Marlborough, . . .	- -
Parochial school building, . . .	Marlborough, . . .	Change in ventilation.
Addition Pleasant Street school, . . .	Milton, . . .	Fire-stops; change in ventilation.
Leonard Morse Hospital, . . .	Natick, . . .	Additional exit; guarantee of ventilation.
High school, . . .	Natick, . . .	Reheating; ventilation guaranteed.
Dennison building, . . .	Newton, . . .	- -
M. E. Church, . . .	Newton, . . .	- -
Masonic building, . . .	Newton, . . .	Ventilation not yet approved.
High school, . . .	Newton, . . .	Ventilation not yet approved.
M. E. Church, . . .	Newton, . . .	- -
Nonantum building, . . .	Newton, . . .	Fire-escapes; ventilation.
St. Anthony's Chapel and school building.	New Bedford, . . .	Fire-stops; ventilation not approved.
Parish House Unitarian Church, . . .	New Bedford, . . .	Ventilation not yet approved.
Addition Masonic building, . . .	New Bedford, . . .	- -
Grand Opera House, . . .	New Bedford, . . .	Asbestos curtain; change in ventilation.
Dawson building, . . .	New Bedford, . . .	Fire-stops; main doors open out; ventilation.
Sacred Heart Chapel and school building.	New Bedford, . . .	Fire stops; ventilation not yet approved.
Hall's block, . . .	North Attleborough.	Additional exits; doors to open out.
Three-room school building, . . .	North Dartmouth, . . .	Change in ventilation.
Park and Downs Union Chapel, . . .	Quincy, . . .	- -
Ward 4 school building, . . .	Quincy, . . .	Change in ventilation.
Ward 5 school building, . . .	Quincy, . . .	Change in ventilation.
Addition Woodward Institute, . . .	Quincy, . . .	Ventilation not yet approved.
Quincy Savings Bank building, . . .	Quincy, . . .	Extend fire-escape.
Adams school building, . . .	Quincy, . . .	Reheating; ventilation to be guaranteed.
School building, . . .	Stoughton, . . .	Fire-stops; guarantee of ventilation.
St. Jean Baptiste Society building, . . .	Taunton, . . .	- -
Addition city hall, . . .	Taunton, . . .	- -
Addition South school building, . . .	Taunton, . . .	Guarantee of ventilation.
Addition North Shore Street school building.	Taunton, . . .	Guarantee of ventilation.
Fruit Street primary school, . . .	Taunton, . . .	Guarantee of ventilation.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Armory,	Taunton,	- -
School building,	Wayland,	Ventilation not approved.
Mangus Club house,	Wellesley,	Fire stops; change in ventilation.
Fiske Memorial library,	Wrentham,	- -

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICTS NOS. 2, 3 AND 6. JOSEPH A. MOORE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Avon.		
Gifford school,	Means to extinguish fire,	Complied.
Barnstable.		
Saturday Night Club building,	Additional egress,	Complied.
Braintree.		
Pond Street school,	Special report,	-
Dedham.		
Ames school,	Special report,	-
Memorial hall,	Special report,	-
Fall River.		
Wonderland Theatre,	Fire-proof curtain; means to extinguish fire.	Complied.
Davenport school,	Better ventilation,	Complied.
Casino rink,	Additional egress,	Complied.
Sullivan's block,	Additional egress,	Complied.
Ligue Des Patriots hall,	Additional egress,	Complied.
Mellen building,	Additional egress,	In process.
Framingham.		
State arsenal,	Special report,	-
Hudson.		
E. P. Lawrence block,	Means to extinguish fire,	Complied.
A. K. Graves block,	Fire escape; means to extinguish fire,	Complied.
W. H. Chase block,	Improve rear exit,	Complied.
Grove school,	Better ventilation,	Complied.
Broad Street school,	Better ventilation,	Complied.
Mansfield.		
Briggs school,	Better ventilation,	-
Balcom school,	Better ventilation,	-
Needham.		
Kingsbury's block,	Strengthen building,	Complied.
New Bedford.		
Masonic building,	Doors to open out,	Complied.
Newton.		
Old Adams school,	Better ventilation,	Complied.
Eliot Hall building,	New fire hose; remove obstruction in corridor.	Complied.
Norton.		
Number One school,	Better ventilation,	Complied.
Provincetown.		
I. O. O. F. building,	Fire-stops; additional egress; metal ducts; means to extinguish fire.	-
Masonic hall,	Additional egress; means to extinguish fire.	-
Public library,	Additional egress; means to extinguish fire; sanitary provisions.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Taunton.		
Shore Street school,	Metal ducts,	Complied.
Winthrop school,	Metal ducts,	Complied.
Upton.		
Upton Centre school,	Better ventilation and egress,	Appropriation made.
Upton primary school,	Better ventilation,	—
West Upton primary school,	Better ventilation and egress,	—
Batchelder House school,	Condemned for school purposes,	Use discontinued.
Waltham.		
High school,	Better ventilation,	Complied.
North grammar school,	Better ventilation,	Complied.
Weymouth.		
Fogg's Opera House,	Strengthen gallery; fire-resisting curtain.	Complied.
Wrentham.		
Plainville lower primary school,	Better ventilation,	Waiting action on new building.
Plainville high school and hall,	Means to extinguish fire,	Complied.

REPORT OF INSPECTOR BROWN.

SIR: — I have the honor to submit a tabulated report of the work of the past year, with an additional statement of some of the work not shown therein.

Considerable time has been spent in consultations with committees, builders and architects, in regard to the several requirements of the building and inspection laws; visiting buildings in process of erection; and in testing the ventilation of new school-houses.

The public buildings and manufactories inspected were found in such good condition that but few orders have been given for any changes or improvements, the health and safety of their occupants being in most cases well provided for.

The summer hotels and boarding-houses, of which there are many in this district, require an annual inspection in regard to the several laws applicable to this class of buildings, particularly as to the means of preventing fire and ways of escape therefrom, and to see that all lodging-rooms are provided with portable fire-escapes. It often happens that a house found well supplied with means of extinguishing fire and with the rope fire-escapes will at the next inspection be found unprovided with either, owing to a frequent change of proprietors; and, even when the proprietor has reason to believe that his lodging-rooms are supplied with the escapes, they may be missing in one or more rooms, taken down by some fastidious boarder and consigned to some obscure

closet, or perhaps used by some departing lodger to securely fasten his trunk.

The copies of plans received show an increase in the number of new buildings. These have been given proper attention; ample ways of egress have been provided, and all precautionary measures that the law requires have been practically carried out. In most cases these plans have been promptly deposited; occasionally it has taken one or more letters and a personal demand before the required plans were forthcoming. Included in these plans are those of ten school-houses, located in the following towns: three in Brockton, and one each in Chelsea, Hanover, Plymouth, Revere, Scituate, Wareham and Winthrop,—an aggregate of fifty-five school-rooms, all of which have been provided with modern means of ventilation.

Plans Received and Changes Recommended.

DISTRICT NO. 4. EDWIN Y. BROWN, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Grand Army building, . . .	Abington, . . .	Additional way of egress; fire-stops.
Lincoln school-house, . . .	Brockton, . . .	Ventilation not approved.
Huntington school-house, . . .	Brockton, . . .	None.
Franklin school-house, . . .	Brockton, . . .	None.
Tobey's apartment house, . . .	Brockton, . . .	Fire-stops.
First Congregational Church, . . .	Brockton, . . .	Fire-stops.
Brockton Power Company's building.	Brockton, . . .	Fire-escapes.
Addition to George E. Keith's shoe factory.	Brockton, . . .	None.
Addition to Commercial House, . . .	Brockton, . . .	Fire-escapes; fire-proofing.
Addition to Field's block, . . .	Brockton, . . .	Fire-escapes.
Addition to Unity Church, . . .	Brockton, . . .	Fire-stops.
Buck's apartment house (No. 1), . . .	Brockton, . . .	Fire-proofing; better way of egress.
Buck's apartment house (No. 2), . . .	Brockton, . . .	Fire-stops; better way of egress.
Highland school-house, . . .	Chelsea, . . .	None.
Kimball's apartment house, . . .	Chelsea, . . .	Better ways of egress; fire-stops.
Bond's apartment house, . . .	Chelsea, . . .	Better ways of egress; fire-stops.
Addition to Lowe's building, . . .	Chelsea, . . .	Better ways of egress.
Mattekesett hall,	Duxbury, . . .	Fire-stops.
Almshouse,	Duxbury, . . .	Fire-stops.
Washburn library building, . . .	East Bridgewater, . . .	Fire-stops.
Curtis school-house,	Hanover, . . .	Better ventilation; fire-stops.
Ocean View House,	Hull, . . .	Better ways of egress; fire-stops.
Atlantic Club house,	Hull, . . .	Fire-stops.

Plans Received, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Hotel Tivoli,	Hull,	Fire-stops.
Town hall,	Mattapoisett,	Better way of egress; fire-stops.
Grand Army building,	Pembroke,	Fire-stops.
Russell Street school-house,	Plymouth,	Additional way of egress; better ventilation.
Unitarian Church,	Plymouth,	Better ventilation.
Bradstreet Avenue school-house,	Revere,	Better ventilation; fire-stops.
Sherman & Hannah's block,	Revere,	None.
The Cliff (hotel),	Scituate,	Fire-proofing.
Hatherly school-house,	Scituate,	Fire-stops.
The Grandon (hotel),	Whitman,	Fire-proof stairway; fire-stops.
Bates building,	Whitman,	Fire-stops.
Grand Army Memorial building,	Whitman,	Additional ways of egress; fire-stops.
High school building,	Winthrop,	Fire-stops.
Wadsworth's block,	Winthrop,	Better ways of egress; fire-stops.
Addition to Bartlett House,	Winthrop,	Better way of egress; fire-stops.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 4. EDWIN Y. BROWN, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Abington.		
Keene's Hotel,	No order,	-
Centennial Hotel,	No order,	-
Culver House,	No order,	-
Bridgewater.		
Bridgewater Inn,	No order,	-
McElwain's shoe factory,	Fire-escape,	Complied.
Brockton.		
Thompson's factory building,	Additional ways of egress from third floor.	Complied.
Patten's manufacturing building,	Fire-escape,	Complied.
Baxandale's heel and counter factory.	Repair fire-escape,	Complied.
Enterprise building,	Fire-escape,	Complied.
Hotel Keswick,	More direct egress from rear stairway,	-
Carson's block,	Rope fire-escapes in lodging rooms,	Complied.
Star building,	Rope fire-escapes in lodging rooms,	Complied.
Mrs Power's Hotel,	Rope fire-escapes in lodging rooms,	-
Hotel Belmont,	No order,	-
Metropolitan Hotel,	No order,	-
Whipple, Freeman building,	Fly doors between stairways to be closed when hall is occupied.	-
Whitman school-house,	Inspected ventilation; no order,	-
Warren Avenue school-house,*	Special report; new building constructed.	-
Keith's manufacturing building,	Fire escape,	Complied.
City Hotel,	No order,	-

* Special inspection, at request of mayor.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Chelsea.		
American Circular Loom Company,	Fire-escape,	Complied.
Carleton House,	Notices posted in lodging rooms; rope fire escapes.	Complied.
Broadway House,	No order,	-
Cohasset.		
Kimball Hotel,	Rope fire-escapes in lodging rooms, .	Complied.
Norfolk House,	Rope fire-escapes in lodging rooms, .	Complied.
Black Rock House,	No order,	-
Hull.		
Hotel Pemberton,	No order,	-
Hotel Pemberton annex,	Rope fire-escapes in lodging rooms, .	Complied.
Oregon House,	No order,	-
East End House,	No order,	-
Atlantic Club House,	Rope fire-escapes in lodging rooms, .	Complied.
Sea Foam House,	No order,	-
Surfside House,	Rope fire-escapes in lodging rooms, .	Complied.
The Putnam,	Rope fire-escapes in lodging rooms; means to extinguish fire.	Complied.
Pilgrim House,	Rope fire escapes in lodging rooms, .	Complied.
Arlington House,	No order,	-
Fairhaven House,	No order,	-
Hotel Brunswick,	No order,	-
Standish House,	No order,	-
Ocean View House,	Mechanical electric gong,	-
Rockland Café,	More rope fire-escapes in lodging-rooms.	Complied.
Hotel Nantasket,	Means to extinguish fire,	Complied.
Rockland House,	No order,	-
Hotel Cleveland,	Rope fire-escapes in lodging rooms, .	Complied.
Atlantic House,	No order,	-
Pacific House,	Rope fire-escapes in lodging rooms, .	Complied.
Randolph House,	Rope fire-escapes in lodging rooms, .	Complied.
Taylor's Tavern,	No order,	-
Hotel Tivoli,	-	-
Montasco House,	Rope fire-escapes in lodging rooms, .	Complied.
Gun Rock House,	Rope fire-escapes in lodging rooms, .	Complied.
Hingham.		
Cushing House,	No order,	-
Marshfield.		
Sea View House,	No order,	-
Ocean House,	No order,	-
Brant Rock House,	No order,	-
Hotel Churchill,	No order,	-
Fair View House,	No order,	-
Plymouth.		
Armory building,*	Recommended additional piers and braces.	Complied.
North grammar school,	Better ventilation,	-
Samoset House,	Rope fire-escape in room occupied by the help.	Complied.
Revere.		
Atlantic House,	Rope fire-escapes in lodging rooms, .	Complied.
Hotel Roberts,	Rope fire-escapes in lodging rooms, .	Complied.
The White Cloud,	Rope fire-escapes in lodging rooms, .	Complied.
The Otis,	Rope fire-escapes in lodging rooms, .	Rooms needing ropes not used. Disc continued as a hotel.
Shirley House,	Rope fire-escapes in lodging rooms, .	Partly complied.
Lay College building,	Rope fire-escapes in lodging rooms, .	-
Island Pond House,	No order,	-
The Franklin,	No order,	-
Rockland.		
Richardson House,	Rail stairway to attic; means to extinguish fire.	Complied.
Arlington House,	Means to extinguish fire,	Complied.

* Special inspection, at request of selectmen.

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Scituate.		
The Cliff,	No order,	-
Mitchell House,	No order,	-
Hotel Humarock,	Mechanical electric gong,	-
The Florence House,	No order,	-
Sea View House,	No order,	-
The Glades,	No order,	-
Harbor House,	No order,	-
Masonic building,	No order,	-
Whitman.		
Whitman House,	Rope fire-escapes in lodging rooms, .	Complied.
Linden House,	Rope fire-escapes in lodging rooms, .	Complied.
Reed's Block Hotel,	Rope fire-escapes in lodging rooms, .	Complied.
Fourth of July grand stand,* . .	Recommended further strengthening by extra supports, braces, nailing.	Complied.
Winthrop.		
New Winthrop Hotel,	No order,	-
Young's Hotel,	No order,	-
The Leighton,	No order,	-
The Argyle,	No order,	-
The Aloha,	Rope fire-escapes in lodging rooms, .	Complied.
The Shirley,	No order,	-
The Winthrop,	No order,	-
Adams House,	Rope fire-escapes in lodging rooms, .	Complied.
The Worcester,	No order,	-
Hotel Dearborn,	No order,	-
The Shirley House,	No order,	-
Colonial House,	No order,	-
The Hawthorne,	No order,	-
Nevada House,	No order,	-
The Bartlett House,	No order,	-

* Special inspection, at request of selectmen.

REPORT OF INSPECTOR DYSON.

SIR:—I have the honor to submit to you the following report of the work done by me in the inspection of buildings and the construction and ventilation of the same in District No. 5 during the present year. In the list of buildings inspected I have included only those in which it has been found necessary to issue written orders for changes required, in order to comply with the requirements of the Public Statutes, and no doubt all of said orders will be complied with in due time. Under the head of "Plans received and changes recommended" will be found a list of the buildings constructed during the present year, to which the provisions of chapter 382, sections 24 and 25 of chapter 481, and sections 40 and 41 of chapter 508 of the Acts of the year 1894 are applicable. In the report of changes recommended it would be impossible to include the suggestions made at the frequent meetings held with owners, architects and committees, which take up a large part of the time of the inspector.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 5. JOSEPH M. DYSON, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Athol.		
Pequoig House,	Rope fire-escapes,	Complied.
Athol House,	Rope fire-escapes,	-
Clinton.		
Rink and armory,	Additional egress; doors to open out,	Complied.
Oxford.		
North school,	Enlarged ducts; mixing valve, . .	Complied.
South school,	Better ventilation; sanitarries, . .	Not complied.
High school,	Better ventilation; sanitarries, . .	Not complied.
Sterling.		
High school,	Better ventilation; sanitarries, . .	Complied.
Sturbridge.		
Jo. Hyde library building, . .	Flues for heating; ventilation changes,	Complied.
Worcester.		
Hamblin, Russell Manufacturing Company.	Additional egress; improved sanitarries.	Complied.
Globe Corset Company,	Obstruction to egress removed, . .	Complied.
Howard Bros. building,	Additional egress; fire-escape, . .	-
Westborough.		
Westborough Hotel,	Rope fire-escapes,	Complied.

*Plans Received and Changes Recommended.*DISTRICT NO. 5. JOSEPH M. DYSON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Congregational Church,	Fitchburg,	Ventilation.
Rochdale hall,	Leicester,	Additional egress and ventilation.
Bean tenement block,	Fitchburg,	Fire-stops.
Livermore building,	Leicester,	Additional egress.
Paridis Bros. block,	Northbridge,	Additional egress; doors open out.
W. P. Higgins machine shop, . .	Worcester,	None.
Adams block,	Fitchburg,	None
Gladstone block,	Worcester,	Fire-stops.
North school,	Winchendon,	Additional egress.
Wachusett Shirt Company, . .	Leominster,	Construction.
Library building,	Sturbridge,	Construction of stairs.
McCarthy's block,	Northbridge,	Additional egress; construction of stairs.
Central Exchange block,	Worcester,	Additional inside stairs.
Quinsigamond school,	Worcester,	None.
Hotel Metropol,	Brookfield,	Additional stairs.
J. T. Sheedy block,	Worcester,	Fire-stops.
Union Congregational Church, . .	Worcester,	None.

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Oxford North school,	Oxford,	None.
Duncan block,	North Brookfield,	Additional egress; fire-stops.
Town hall,	Auburn,	Doors to open out.
Fire department headquarters,	Worcester,	None.
Rockdale school,	Northbridge,	Fire-stops.
South Baptist Church,	Worcester,	None.
Southbridge Street school,	Worcester,	None.
Opera House,	Gardner,	Additional tower stairs; fire stops.
Congregational Church,	Auburn,	Ventilating ducts provided.
Midland Street school,	Worcester,	None.
Lamartine Street school,	Worcester,	None.
William M. Stone block,	Worcester,	Stairs enclosed in brick; closets removed from under stairs.
Swedish Lutheran Church,	Fitchburg,	Additional inside stairs; fire-stops.
A. J. Bates shoe shop,	Webster,	Additional tower stairs.
Iver Johnson block,	Fitchburg,	None.
Hotel Paxton,	Paxton,	Additional egress; rooms connected on each floor.
Opera House,	Gardner,	Tower stairs; ventilation.
Harlem Street Baptist Church,	Worcester,	Changed location of stairs.
Notre Dame parochial school,	Worcester,	Additional stairs.
Duncan block, additional story,	North Brookfield,	Fire-escape.
School-house,	Shrewsbury,	None.
Massachusetts Hospital for Consumptives,	Rutland,	None.
Fiskdale school,	Sturbridge,	Additional egress.
City hall,	Worcester,	None.
Gilman block,	Worcester,	None.
Providence Street school,	Worcester,	None.
Hubley factory and store-house,	Worcester,	Two upper floors to be used for storage only.
High school,	Sterling,	Ventilation approved.
North school,	Winchendon,	Ventilation approved.
Quinsigamond school,	Worcester,	Ventilation approved.
Union Congregational Church,	Worcester,	Ventilation ducts enlarged and located.
Oxford school,	Oxford,	Ventilation; increased air supply.
Town hall,	Auburn,	Ventilation; enlarged ventilating ducts.
Rockdale school,	Northbridge,	Ventilation approved.
Southbridge Street school,	Worcester,	Ventilation approved.
Opera House,	Gardner,	Ventilation; enlarged ducts.
Midland Street school,	Worcester,	Ventilation approved.
Lamartine Street school,	Worcester,	Ventilation approved.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Lake school,	Shrewsbury, . . .	Ventilation; enlarged ducts and mixing valves.
Grafton Street school,	Worcester, . . .	Ventilation; increased air supply.
Massachusetts Hospital,	Rutland, . . .	Ventilation not approved.
Fiskdale school,	Sturbridge, . . .	Ventilation; enlarged ducts and air supply.
City hall,	Worcester, . . .	Ventilation approved.
R. C. Taylor's office building, . .	Worcester, . . .	Bridge for escape.
C. H. Prentise apartment block, .	Worcester, . . .	None.

REPORT OF INSPECTOR FOULDS.

SIR: — I have the honor to submit the following report of work performed by me in inspecting buildings since my last report.

A large number of the buildings were found in good condition, so far as the State laws apply. There has been an unusually large number of plans for tenement-houses filed at this office the past year, and to this class of buildings I have given special attention, in order that suitable ways of egress and means of preventing the spread of fire should be properly placed in the same, and have carefully watched them in course of construction, to see that the laws were complied with.

The hotels and lodging-houses in this district were in good condition, with very few exceptions, and to these I issued the necessary orders. In most cases they have already been complied with; those that are not, are on account of orders being issued to them but recently, and are now in course of compliance.

I have consulted with a large number of architects and contractors during the year, and I am pleased to note the improvements they are making in relation to means of egress and fire-stops, and the ready compliance with any suggestions which I have made regarding either.

*Plans Received and Changes Recommended.*DISTRICT No. 6. JOHN E. FOULDS, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Mason box factory,	Attleborough, . .	None.
Howard & Bullough joiner shop, .	Attleborough, . .	None.
Horton, Angell & Co., factory, . .	Attleborough, . .	None.

Plans Received, etc.—Continued.

BUILDING.	Location.	Changes Recommended.
Wilson tenement house, . . .	Fall River, . . .	Fire-stops.
Clarke tenement house, . . .	Fall River, . . .	Fire-stops.
Bellanger tenement house, . . .	Fall River, . . .	Fire-stops.
Smith tenement house, . . .	Fall River, . . .	Fire-stops.
Couchene tenement house, . . .	Fall River, . . .	Fire-stops.
Durand tenement house, . . .	Fall River, . . .	Fire-stops.
Perron tenement house, . . .	Fall River, . . .	Fire-stops; fire-escapes.
Desbien tenement house, . . .	Fall River, . . .	Fire-stops.
Guyne tenement house (No. 1), . . .	Fall River, . . .	Fire-stops.
Guyne tenement house (No. 2), . . .	Fall River, . . .	Fire-stops.
Moissette tenement house, . . .	Fall River, . . .	Fire-stops.
Dansereau tenement house, . . .	Fall River, . . .	Fire-stops.
Harrison block,	Fall River, . . .	Fire-stops.
Filion tenement house,	Fall River, . . .	Fire-stops.
Vaillancourt tenement house (No. 1), . . .	Fall River, . . .	Fire-stops.
Vaillancourt tenement house (No. 2), . . .	Fall River, . . .	Fire-stops.
Ouilette tenement house,	Fall River, . . .	Fire-stops.
Jalbert tenement house,	Fall River, . . .	Fire-stops.
Gubbott tenement house,	Fall River, . . .	Fire-stops.
Tecumseh mill,	Fall River, . . .	None.
Lezy tenement house,	Fall River, . . .	Fire-stops.
Bonin tenement house,	Fall River, . . .	Fire-stops.
Ouellett tenement house,	Fall River, . . .	Fire-stops.
Griffault tenement house,	Fall River, . . .	Fire-stops.
Vantrín tenement house,	Fall River, . . .	Fire-stops.
Coza tenement house,	Fall River, . . .	Fire-stops.
Dube tenement house,	Fall River, . . .	Fire-stops.
Mello tenement house,	Fall River, . . .	Fire stops.
King's block,	Fall River, . . .	Fire-stops.
Boisselle tenement house,	Fall River, . . .	Fire-stops.
Duvally building,	Fall River, . . .	Fire-stops; smoke doors; fire-escape.
Small Bros. factory,	Fall River, . . .	No change.
Deforge block,	Fall River, . . .	Fire-stops.
Belanger tenement house,	Fall River, . . .	Fire-stops; cut doors.
Lairviere tenement house,	Fall River, . . .	Fire-stops.
Castellen tenement house,	Fall River, . . .	Fire-stops; cut doors.
Simard tenement house,	Fall River, . . .	Fire-stops; cut doors.
Fontaine tenement house,	Fall River, . . .	Fire-stops; fire-escape.

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Levesque tenement house, . . .	Fall River, . . .	Fire-stops; cut doors.
Champagne tenement house, . . .	Fall River, . . .	Fire-stops.
Standing tenement house, . . .	Fall River, . . .	Fire-stops; cut doors.
Lavoir tenement house (No. 1), . . .	Fall River, . . .	Fire-stops.
Lavoir tenement house (No. 2), . . .	Fall River, . . .	Fire-stops; cut doors.
Levesque tenement house, . . .	Fall River, . . .	Fire-stops.
Cahill tenement house, . . .	Fall River, . . .	Fire-stops.
Old Colony Brewing Company, . . .	Fall River, . . .	No change.
Lamerstayne building, . . .	Fall River, . . .	Fire-stops; additional egress.
Harding tenement house, . . .	Fall River, . . .	Fire-stops.
Bouvier tenement house, . . .	Fall River, . . .	Fire-stops.
Hacking block,	Fall River, . . .	Fire-stops.
Colombe tenement house, . . .	Fall River, . . .	Fire-stops.
Pineau block,	Fall River, . . .	Fire-stops.
Lavigne tenement house, . . .	Fall River, . . .	Fire-stops.
Sirois building,	Fall River, . . .	No change.
Corr Manufacturing Company, . . .	Taunton, . . .	Fire-escape.
Egan tenement house,	Fall River, . . .	Fire-stops.
Thorp tenement house,	Fall River, . . .	Fire-stops.
Walsh tenement house,	Fall River, . . .	Fire-stops; cut doors.
Maltars tenement house,	Fall River, . . .	Fire-stops.
Barry's block,	Fall River, . . .	Fire-stops.
Barry tenement house,	Fall River, . . .	No change.
Murray tenement house,	Fall River, . . .	No change.
Laforrest tenement house,	Fall River, . . .	No change.
Dessert tenement house,	Fall River, . . .	Fire-stops.
Guimond tenement house,	Fall River, . . .	No change.
Bergeron tenement house,	Fall River, . . .	No change.
Sabins block,	Taunton, . . .	Fire-stops; smoke doors.
City Hotel addition,	Taunton, . . .	Outside fire-escapes.
Flint building,	Fall River, . . .	No change.
Ross tenement house,	Fall River, . . .	Fire-stops; additional egress.
Harbeck tenement house,	Fall River, . . .	Outside fire-escapes.
Manning tenement house,	Fall River, . . .	Additional egress.
Union Savings Bank,	Fall River, . . .	No change.
Winterbottom tenement house,	Fall River, . . .	No change.
Carter tenement house,	New Bedford, . . .	No change.
Magnant tenement house,	New Bedford, . . .	Fire-stops.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Dartmouth Mills,	New Bedford, .	Outside fire-escapes.
Silvia tenement house,	New Bedford, .	Fire-stops.
Martel & Bonneau tenement house, .	New Bedford, .	Fire-stops.
Porrier tenement house,	New Bedford, .	Fire stops.
Tillson tenement house,	New Bedford, .	Fire-stops.
Layasse tenement house,	New Bedford, .	Fire-stops.
Corson building,	New Bedford, .	Fire-stops.
Nolan block,	New Bedford, .	Fire-stops.
Dartmouth block,	New Bedford, .	Fire-stops.
Harrington tenement block, . . .	New Bedford, .	Fire-stops; additional egress.
Boardman building,	New Bedford, .	Fire-stops.
Lussier building,	New Bedford, .	Fire stops; cut doors.
Hargraves building,	New Bedford, .	Fire-stops; smoke doors.
Zimmerman building,	New Bedford, .	Fire-stops.
McDonald building,	New Bedford, .	Fire-stops.
Andrews building,	New Bedford, .	Fire stops.
Lemire building,	New Bedford, .	No change.
Bardsley tenement house,	New Bedford, .	Fire stops; cut doors.
Parker House addition,	New Bedford, .	Additional egress.
Trahan tenement house,	New Bedford, .	No change.
Parish house,	New Bedford, .	No change.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 6. JOHN E. FOULDS, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Attleborough.		
King building,	Additional egress,	Complied.
Central House,	Means of extinguishing fire,	Complied.
Park Hotel,	Change hooks to portables,	Complied.
Chilson House,	None,	—
Simpson House,	None,	—
Briggs House,	None,	—
Barnstable.		
Santuit House,	Portable fire-escapes,	Complied.
Crosby House,	Means of extinguishing fire,	Complied.
Hotel Pines,	Portable fire-escapes,	Complied.
Hallett House,	None,	—
Post View,	None,	—
Iyannough House,	None,	—
Hotel Palmer,	None,	—
Hotel Palmer annex,	None,	—
Cotocheset House,	None,	—
Globe Hotel,	None,	—

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Cottage City.		
Pawnee House,	Means of extinguishing fire, . . .	Complied.
Hotel Metropolitan,	Means of extinguishing fire, . . .	Complied.
Searell House,	Means of extinguishing fire, . . .	Complied.
Island House,	Means of extinguishing fire; portable fire escapes.	Complied.
Naumkeag House,	Means of extinguishing fire, . . .	Complied.
Cottage City House,	Portable fire-escapes,	Complied.
Oakwood House,	Portable fire-escapes; means of extinguishing fire.	Complied.
Prospect House,	Means of extinguishing fire; portable fire-escapes; repair outside fire-escapes.	Complied.
Central House,	None,	-
Wesley House,	None,	-
Frasier House,	None,	-
Wesley House annex,	None,	-
Chatham.		
Dill House,	None,	-
Ocean House,	None,	-
Dennis.		
Nobscussett House,	None,	-
Edgartown.		
Old Hall House,	None,	-
Hotel Harbor View,	None,	-
Sea View House,	None,	-
Falmouth.		
Vineyard Sound House,	Red lights; electric gongs; portable fire-escapes; cut doors; additional stairs.	-
Tower Hotel,	Portable fire-escapes,	Complied.
Craige House,	Portable fire-escapes,	Complied.
Dexter House,	Means of extinguishing fire; additional egress; portable fire-escapes.	Complied.
Nobska House,	Portable fire escapes,	Complied.
Hotel Falmouth,	None,	-
Fall River.		
Riley block,	Additional means of egress, . . .	Complied.
Bedard block,	Outside fire escapes,	Complied.
Anderson's tenement house,	Repair fire-escapes,	Complied.
Jansen block,	Outside fire escapes,	Complied.
Berard tenement house,	Additional means of egress, . . .	Complied.
Callahan block,	Outside fire-escapes,	Complied.
Sutcliff block,	Outside fire escapes; cut doors, . . .	Complied.
Hawkins House,	Outside fire-escape; cut doors, . . .	Complied.
Davis tenement house,	Outside fire-escape; cut doors, . . .	Complied.
Allen building,	Outside fire-escape; doors to open out,	Complied.
Gagnon tenement house,	Repair fire-escape,	Complied.
Herald building,	Repair fire-escape,	Complied.
Langlois tenement house,	Additional egress,	Complied.
Cadoret tenement house,	Additional egress,	Complied.
Bouley block,	Outside fire-escapes,	Complied.
Cowgill block,	Outside fire-escapes,	Complied.
Lowe block,	Outside fire escapes; cut doors, . . .	Complied.
Higney block,	Outside fire escape; cut doors, . . .	Complied.
Winstanley block,	Additional egress,	Complied.
Smith block,	Additional egress,	Complied.
Kelly block,	Repair fire-escape,	Complied.
L. Heroux tenement house (No. 1),	Additional means of egress, . . .	Complied.
L. Heroux tenement house (No. 2),	Additional means of egress, . . .	Complied.
Denneswurt tenement house,	Outside fire-escapes,	Complied.
Taylor's tenement house,	Outside fire-escapes,	Complied.
Mechaud tenement house,	Outside fire-escapes,	Complied.
Lamoureux tenement house,	Additional means of egress, . . .	Complied.
Rouillard tenement house,	Outside fire-escapes,	Complied.
Border City mills (No. 2),	Doors to open out,	Complied.
Bowers tenement house,	Additional means of egress, . . .	Complied.
Vandal block,	Additional means of egress, . . .	Complied.
Corrueau tenement house,	Outside fire-escape,	Complied.
Burns block,	Remove obstruction from rear stairs,	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Fall River—Con.		
Audett block,	Outside fire-escape,	Complied.
Bembe tenement house,	Better means of egress,	Complied.
Levesque tenement house,	Better means of egress,	Complied.
Jones tenement house,	Additional means of egress,	Complied.
Barry tenement house,	Additional means of egress,	Complied.
Chabot tenement house,	Additional means of egress,	Complied.
Puritan House,	Means of extinguishing fire; portable fire-escapes.	Complied.
Benson block,	Additional means of egress,	Complied.
Walsh tenement house,	Additional means of egress,	Complied.
Levesque block (No. 1),	Outside fire-escapes,	Complied.
Levesque block (No. 2),	Additional egress,	Complied.
Jackson tenement house,	Additional egress,	Complied.
City Hotel,	Doors to open out,	Complied.
Flint mill,	Extend and repair fire-escapes,	Complied.
St. James Hotel,	Means of extinguishing fire,	Complied.
Estes mill,	Outside fire-escape,	Complied.
French block,	Rail jet; cut doors,	In process.
Waring building,	Outside fire-escape; cut doors; remove obstruction from halls and stairs.	In process.
Grogan block (No. 2),	Outside fire-escapes,	—
Calahan block (No. 1),	None,	—
Levesque tenement house,	None,	—
Evans House,	None,	—
Wilbur Hotel,	None,	—
Mellen House,	None,	—
Fielding block,	None,	—
Brightman building,	None,	—
Grogan block (No. 1),	None,	—
Levesque block,	None,	—
Gumach tenement house,	None,	—
Senay tenement house,	None,	—
Charrett tenement house,	None,	—
Michaud tenement house,	None,	—
Arcomd block,	None,	—
Narragansett House,	None,	—
Harwich.		
Belmont House,	Outside fire-escape; means of extinguishing fire; portable fire-escapes.	Will comply.
Snow cottage,	None,	—
Mansfield.		
Mansfield House,	Test hooks; replace portable fire-escapes.	Complied.
Central House,	Portable fire-escapes,	Complied.
American House,	None,	—
Nantucket.		
Ocean View House,	Repair fire-escapes,	Complied.
Bay View House,	None,	—
Sherbourn House,	None,	—
Sea Cliff Inn,	None,	—
Ocean View House annex,	None,	—
Point Breeze Hotel,	None,	—
Ocean House,	None,	—
Springfield House,	None,	—
Springfield House annex (No. 1),	None,	—
Springfield House annex (No. 2),	None,	—
Nesbit House,	None,	—
The Nantucket,	None,	—
New Bedford.		
Lebean block,	Additional egress,	Complied.
Mennier tenement house,	Outside fire-escapes,	Complied.
Poisson block,	Outside fire-escapes,	Complied.
Dartmouth mill,	Outside fire-escapes,	Complied.
Silvia block,	Doors to open out,	Complied.
Mansion House,	Means to extinguish fire; portable fire-escapes.	Complied.
Douglas block,	Outside fire-escapes,	Complied.
Standard building,	Repair fire-escapes,	Complied.
Taylor tenement house,	None,	—

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
New Bedford — Con.		
Souzy tenement house,	None,	-
Goelet block,	None,	-
Sowle block,	None,	-
Lucier tenement house,	None,	-
Therien tenement house (No. 1), . .	None,	-
Therien tenement house (No. 2), . .	None,	-
Manhattan House,	None,	-
Parker lodging house,	None,	-
Parker House,	None,	-
Bancroft House,	None,	-
Park Hotel,	None,	-
Winthrop House,	None,	-
Magnant tenement house,	None,	-
Garant tenement house,	None,	-
Freaguer tenement house,	None,	-
Fredette tenement house,	None,	-
Dormneque tenement house,	None,	-
North Attleborough.		
International Hotel,	None,	-
Wamsutta House,	None,	-
Orleans.		
Shattuck House,	None,	-
Provincetown.		
Gifford House,	Means of extinguishing fire; portable fire-escapes.	Complied.
Atlantic House,	None,	-
Pilgrim House,	None,	-
Central House,	None,	-
Sandwich.		
Central House,	None,	-
Taunton.		
City Hotel,	Repair fire-escapes; attach portables to hooks; means of extinguishing fire.	Complied.
Central House,	Repair fire-escapes; doors to open out.	Complied.
Winsor House,	Means of extinguishing fire, . . .	Complied.
Staples building,	None,	-
Hotel Bristol,	None,	-
Taunton House,	None,	-
Barber House,	None,	-
Tisbury.		
Mansion House,	None,	-
Tashmoo House,	None,	-
Rudder Grange,	None,	-
Cedras House,	None,	-
Westport.		
Howland House,	None,	-
Harbor House,	None,	-
Hotel Westport,	None,	-
Ocean Cottage,	None,	-
Wellfleet.		
Holbrook House,	None,	-

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 7. WARREN S. BUXTON, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Belchertown.		
R. H. Long Shoe Manufacturing Company's factory.	Additional means of egress; better means to extinguish fire.	-
Southwick.		
Hotel Congamond,	No changes,	-
Ware.		
Ware Lumber Company's factory,	Outside fire-escape,	Complied.
Storre's Hotel,	Outside fire-escape,	Complied.
Chester.		
Chester Hotel,	No changes,	-
White's Hotel,	No changes,	-
Hamilton's block,	No changes,	-
Huntington.		
Park Hotel,	No changes,	-
Chicopee.		
D. O'Keefe's buildings:—		
69 Market Street,	No changes,	-
75 Market Street,	No changes,	-
67 Market Street,	No changes,	-
71 Market Street,	No changes,	-
73 Market Street,	No changes,	-
63 Market Street,	No changes,	-
Chicopee Manufacturing Company's buildings:—		
19 Market Street,	No changes,	-
22 Market Street,	No changes,	-
23 Market Street,	No changes,	-
24 Market Street,	No changes,	-
29 Market Street,	No changes,	-
30 Market Street,	No changes,	-
33 Market Street,	No changes,	-
A. M. Moore's Hotel,	No changes,	-
Wild's Hotel,	No changes,	-
J. H. Ash's Hotel,	No changes,	-
Springfield.		
Hooker school,	Better means of ventilation,	-
Cooley's Hotel,	Red lights; notices in rooms,	Complied.
Hotel Hankins,	Notices in sleeping rooms,	Complied.
American House,	Red lights; notices in sleeping rooms; fifteen-inch gong.	Complied.
City Hotel,	Red lights; gongs; notices in sleeping rooms.	Complied.
Stuckett's boarding house,	No changes,	-
Evens House,	Red lights; notices in sleeping rooms,	Complied.
Chandler Hotel,	Red lights; gongs; notices in sleeping rooms.	Complied.
Y. W. C. A. boarding house,	No changes,	-
Lerche's Hotel,	No changes,	-
Mansion House,	Red lights; notices in sleeping rooms; remove rubbish from back stairs.	Complied.
United States Hotel,	No changes,	-
Holyoke.		
F. X. Miner's block, 87 Park Street,	No changes,	-
F. X. Miner's block,	No changes,	-
O. Ruel,	No changes,	-
M. P. Hurlburt's block,	No changes,	-
O. Ganache's block,	No changes,	-
N. Gagne's block,	No changes,	-
A. Lanorie's block,	No changes,	-
T. L. Curren's block,	No changes,	-
C. T. Lyman's block,	No changes,	-
R. F. Kelton's block,	Remove rubbish on fire-escape,	Complied.
C. A. Corsier's block,	No changes,	-
D. Gagna's block,	No changes,	-
U. Perreault's block,	No changes,	-
E. M. Bolton's block,	No changes,	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Holyoke — Con.		
G. Potvin's block, 93 Lyman Street,	No changes,	-
M. F. Dake's block,	No changes,	-
D. Gagne's block, 52 Bridge Street,	Better means of egress,	Complied.
D. Gagne's block,	No changes,	-
G. Potvin's block, 103 Lyman Street,	Remove rubbish on fire-escape,	Complied.
G. Potvin's block, 17 Grover Street,	No changes,	-
G. Potvin's block, 15 Grover Street,	No changes,	-
J. A. Lapoint's block,	No changes,	-
J. A. Campayne's block,	No changes,	-
J. H. Fitzsimmons' block,	No changes,	-
J. Jesimin's block,	No changes,	-
J. Beaudoin's block,	Better means of egress,	Complied.
J. Beaudoin's block (No. 2),	Remove obstructions on fire-escape,	Complied.
W. H. Pryer's block,	Outside stairway,	Complied.
A. H. Bertrand's block,	Better means of egress,	Complied.
Charles Provost's block,	Balconies to be connected by stairs,	Complied.
Holyoke Street Railroad Company's block,	No changes,	-
T. J. Kings block,	Cut doors in partition on veranda,	Complied.
J. Bolio's block,	Cut doors in partition on veranda,	Complied.
M. Neill's block, 17 and 19 Bowers Street,	Better means of egress,	Complied.
M. Neill's block, 21 Bowers Street, Gilbert Potvin's buildings:—	Better means of egress,	Complied.
107 Lyman Street,	Better means of egress,	Complied.
6 Potvin Avenue,	Better means of egress,	Complied.
4 Potvin Avenue,	Remove rubbish from fire-escape,	Complied.
12 Potvin Avenue,	Remove obstructions from fire-escape; construct stairway from first balcony to ground.	Complied.
93 Lyman Street,	No changes,	-
R. O. Dwight's block,	No changes,	-
J. J. Egan's block,	No changes,	-
T. L. Curren's block,	No changes,	-
M. Welch's block,	No changes,	-
U. Parreault's block,	No changes,	-
S. Reaullard's block,	No changes,	-
T. Morache,	No changes,	-
F. Morrean,	No changes,	-
A. D. Darocher,	No changes,	-
J. St. Martin,	No changes,	-
Charles Provost,	No changes,	-
A. Ducharm,	No changes,	-
F. Schirch's block,	Repair fire-escape,	Complied.
Vol Moquin's block,	Repair fire-escape,	Complied.
J. J. Kenney's block,	Better means of egress,	Complied.
A. Leppens' block,	Better means of egress,	Complied.
A. Roberts block,	Additional means of egress,	Complied.
W. F. Wheeler's block,	Remove rubbish on fire-escape,	Complied.
Chas. Ranniburg's block,	No changes,	-
Kennedy & Sullivan's block,	No changes,	-
T. Lawler's block,	No changes,	-
J. Gubinville's block,	Better means of egress,	Complied.
Frank Miners' block,	No changes,	-
A. St. Mary's block,	No changes,	-
D. Proulx's block,	No changes,	-
D. Proulx's block, 68 Cabot Street,	No changes,	-
J. St. Martin's block,	No changes,	-
J. Gates block,	Repair fire-escape,	Complied.
J. Gates No. 2 block,	Repair fire-escape,	Complied.
G. Lamagdelaine's block,	Additional means of egress,	Complied.
A. D. Durche's block,	No changes,	-
Chas. Provost's block,	No changes,	-
I. Hebert's block,	Additional means of egress,	Complied.
I. Hebert's block, 588 East Street,	Better means of egress,	Complied.
I. Hebert's block, 586 East Street,	Better means of egress,	Complied.
W. Greely's block,	No changes,	-
J. J. Eagan's block,	No changes,	-
T. L. Beaulieu's block,	No changes,	-
A. St. Mary's block,	Better means of egress,	Complied.
B. Delaney, 163 Main Street,	No changes,	-
B. Delaney, 165 Main Street,	No changes,	-
B. Delaney, 159 Main Street,	No changes,	-
B. Delaney, 153 Main Street,	Connect balcony by stairways,	Complied.

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Holyoke—Con.		
C. P. Lyman's block, . . .	Connect balconies by stairs, . . .	Complied.
C. L. Kellogg's block, . . .	No changes, . . .	—
G. J. Prew's block, . . .	Additional means of egress, . . .	Complied.
J. Bolien's block, . . .	Additional means of egress, . . .	Complied.
Riverside Paper Company's block, . . .	No changes, . . .	—
E. St. Mary's block, . . .	No changes, . . .	—
A. Lanorie's block, . . .	No changes, . . .	—
J. Potvin's block, . . .	Additional means of egress, . . .	Complied.
L. Crochier's block, . . .	Additional means of egress, . . .	Complied.
G. Lamagdelaine's block, . . .	No changes, . . .	—
S. Yenlin's block, . . .	No changes, . . .	—
N. Beliveau's block, . . .	Remove obstructions, . . .	Complied.
J. Kennedy's block, . . .	Additional means of egress, . . .	Complied.
W. B. C. Pearson's block, . . .	Additional means of egress, . . .	Complied.
M. E. Duke's block, . . .	No changes, . . .	—
W. B. C. Pearson's block, 24 Cabot Street.	Additional means of egress, . . .	Complied.
M. McCarty's block, . . .	No changes, . . .	—
C. Parquett's block, . . .	Additional means of egress, . . .	Complied.
A. Leconie's block, . . .	Remove rubbish, . . .	—
T. Ducharme's block, . . .	Additional means of egress, . . .	Complied.
J. N. Prew's block, . . .	Better means of egress, . . .	Complied.
S. Dafresne's block, . . .	Better means of egress, . . .	Complied.
H. Fournier's block, . . .	Additional means of egress, . . .	Complied.
Chas. Provost block, . . .	No changes, . . .	—

*Plans Received and Changes Recommended.*DISTRICT NO. 7. WARREN S. BUXTON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
B. F. Taylor's block, . . .	Springfield, . . .	Fire-stops.
L. W. Bessie's block, . . .	Springfield, . . .	Fire-stops.
Lenord's block, . . .	Springfield, . . .	Fire-stops.
C. J. Gagne's block, . . .	Springfield, . . .	Fire-stops.
National Needle Company's factory,	Springfield, . . .	Additional means of egress.
Noble Hospital, . . .	Westfield, . . .	Ventilation.
J. A. Lakin's block, . . .	Westfield, . . .	Fire-stops.
S. C. Hall's block, . . .	Westfield, . . .	Fire-stops.
Lozier Manufacturing Company's mill.	Westfield, . . .	Additional egress.
Wesleyan Academy Gymnasium, . .	Wilbraham, . . .	—
Ware Lumber Company's mill,	Ware, . . .	Additional egress.
J. H. Storrs Hotel, . . .	Ware, . . .	Additional egress; fire-stops.
Boston Duck Company's mill, . .	Palmer, . . .	—
H. Fournier's block, . . .	Holyoke, . . .	Fire-stops.
A. Trepanier's block, . . .	Holyoke, . . .	Fire-stops.
P. T. St. Martin's block, . . .	Chicopee, . . .	Fire-stops.
F. Fay's block, . . .	Chester, . . .	No changes.
J. A. O'Donnell's block, . . .	Chicopee, . . .	Fire-stops.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Daniel Dunn's block,	Chicopee, . . .	Fire-stops.
Taylor & Bramley's factory, . .	Chicopee, . . .	Additional egress.
Grace Chapel,	Holyoke, . . .	Fire-stops.
Holyoke high school,	Holyoke, . . .	- -
Gilbert Potvin's block,	Holyoke, . . .	Fire-stops.
Hampden Glazed Paper Company's mill.	Holyoke, . . .	- -
Kenney's block,	Holyoke, . . .	Fire-stops.
G. Potvin's block,	Holyoke, . . .	Fire-stops.
John St. John's block,	Holyoke, . . .	Fire-stops.
E. Essonette's block,	Holyoke, . . .	Fire-stops.
State Hospital for Epileptics, . .	Monson, . . .	- -
Herman & Lichton, straw factory, .	Monson, . . .	Additional egress.
Masonic Temple,	Northampton, .	Means of egress; fire stops.
T. J. Dewey's block,	Northampton, .	Means of egress; fire-stops.
W. C. Cooney's Hotel,	Northampton, .	Fire-stops.
Dormitory Smith College,	Northampton, .	Fire-stops.
Ward 6 school,	Springfield, . .	- -
Highland Brewing Company's Hotel,	Springfield, . .	Additional means of egress; fire-stops.
National Photograph Paper and Chemical Company's factory.	Springfield, . .	Additional egress.
W. D. Kinsman's block,	Springfield, . .	Fire-stops.
D. L. Fuller's block,	Springfield, . .	Fire-stops.
George D. Nelson's block,	Springfield, . .	Additional egress; fire-stops.

REPORT OF INSPECTOR CHENEY.

SIR:—At the close of each year we are expected to make a report of the work performed by us during the past year, and to make such recommendations and suggestions as seem to us necessary and proper to better protect people in our district. In accordance with those requirements, I herewith submit my annual report, together with a tabulated statement of the work performed by me.

Two hundred and forty-one buildings have been inspected and eighty-six orders issued, and numberless visits have been made to places for the purpose of information and observation. Seventeen buildings have been provided with outside fire-escapes, and many rooms have been equipped with portable escapes. Sanitaries have been put into several buildings, and various less important matters

attended to, as my tabulated report will show. The proprietors of several of the largest hotels, requiring two watchmen to be on duty between the hours of nine P.M. and six A.M., have availed themselves of the provisions of chapter 223, Acts of 1884, and have put in electric watch clocks; and I feel that these hotels are better watched, with one watchman, than they have ever been before with two. In one hotel in my district, with a little over one hundred rooms, there are twenty-six stations to which the watchman has to go every hour; they are so arranged that he covers the entire building several times every round; and it would seem as if it were nearly impossible for a fire to get any headway under such a complete and effective system of watching.

While there has been no fire in hotels in my district involving the loss of life, yet I feel that I should not be doing my full duty if I neglected to call your attention to the importance of the law requiring watchmen in hotels of less than fifty rooms. A hotel, boarding or lodging house having forty-eight rooms or less than fifty is not required to provide red lights, watchmen or gongs. I have known several to be erected in my district just below the number required, especially to avoid the expense of providing these things. There is practically no limit to the height of such a building, which of course adds to the danger of the same, and I feel confident that the time will come when we shall have to record a terrible calamity on this account. Because a hotel or boarding-house does not contain fifty rooms, does not eliminate all of the danger of one that contains fifty or more. I believe that this law should be amended, — perhaps not to provide watchmen, but by a provision that they shall be equipped with some mechanical device which will notify the guests of such hotels of the presence of fire in unusual places in these houses.

The law providing that plans of certain buildings being erected in this Commonwealth shall be deposited with the inspector of factories and public buildings for the district in which said buildings are to be erected, has been fairly well complied with during the past year, and plans have been received for sixty-three buildings, not including public buildings, as Inspector White has the plans of such buildings to look after in this district.

The plans received by me are classed as follows: twenty-five wooden tenement-houses, twelve of which are four, and thirteen three, stories high, and containing from four to sixteen tenements each; nine factories and two additions, eight of brick and one of wood, ranging from three to seven stories in height; seven apartment-houses, three of brick and four of wood, all being three stories in height; four lodging-houses with stores on the

lower floor, three of brick, four and five stories in height, two of them containing upwards of one hundred rooms; eight hotels and three additions, seven of wood and one of brick (the most of which are located on the seashore, and for summer use); four lodging-houses, three of brick and from three to five stories in height, two of which contain over one hundred rooms; one boarding-house; one church addition; one convent; one office building.

In all of them careful consideration has been given to the construction. Fire-stops have been required in the walls, floors and partitions. The light wells and elevator shafts are required to be metal lathed, also the under side of stairs, when exposed to danger from fires. In many of the larger tenement-houses brick walls have been required from cellar to roof boarding, practically dividing the same into small houses, and making what would be one large block, through which the flames would spread with great rapidity in case of fire, into two or three separate apartments, as the case may be, and lessening the danger to the occupants in the same proportion. In addition to this, in all frame buildings the space between the studding in the wall is cut off with fire-stops at every floor, and between the flooring on every partition cap coming into the halls and entryways, thereby preventing the spread of fire between the floors, and preventing its communication with the stairways and natural exits of the building.

In all cases where stores are to occupy the lower floor of a tenement or apartment house, or where the upper floors of a building are used for halls or the assembling of people, I have insisted upon the partitions around the stairs on the lower floor being filled with brick, laid flatways, to the full width of the studding, thereby providing the most thorough fire-stopping around the stairways that circumstances will permit, and no doubt adding very materially to the safety of the occupants in case of fire.

In brick buildings the space between the furring strips on the walls is filled with mortar to the depth of five inches below the ceiling, and practically the same precaution taken in floors, partitions and stairways as that previously described.

I feel confident that, in case of fire in any of these buildings, the spread of the same would be greatly retarded, and the occupants much safer than they would be in a building constructed before these laws were made and put in effect.

The most of the buildings the plans of which I have received have been located in the larger cities of Essex County, where

the buildings as well as the population are most dense; and I have taken particular pains to ascertain if the fire-stops required were put in, visiting them several times during their construction, and approving no plans unless these stipulations were in the specifications.

The past year has been a very unusual one in some respects. During the first part of it there seemed to spring up an unusual number of cheap theatres in the various cities of Essex County, located in such unsafe places and constructed in such a manner that when I inspected them I concluded that the greatest duty I had to perform for the Commonwealth and the community in which they were located was to order them closed, as they were veritable death traps, should a fire occur in one of them. To illustrate, let me describe one that I found in one of the principal manufacturing cities on the Merrimac River.

It was located on the upper floor of a three-story brick building, built for and occupied on the lower floors as a livery stable. The room or audience hall, which was capable of holding more than a thousand people, was finished, both walls and ceiling, with canvas stretched between the posts of the building, upon which were painted landscape and marine views. The ceilings overhead were made of the same material, and dressing rooms also. The dressing rooms were heated with two large stoves, standing six or seven feet high, and long runs of stove pipe ran through holes in this canvas and through an open unfinished space, in one case going through both partitions of a staircase to a chimney in the wall. On the second floor of this building, directly under the audience, were two portable furnaces that furnished heat for the theatre above. No part of this building was finished inside, and the under side of the floor above these furnaces, as well as the entire surface, was covered with cobwebs, the same as ordinarily found in any stable that has been built a long time. The floors were covered with carriages and sleighs, as this room was used for the storage of sleighs and old carriages. Under the stage on this floor they kept the hay and grain for the horses, and, as this was a very large stable, capable of accommodating one hundred or more horses, you can imagine that the quantity of hay and grain was not small.

There was a play booked for that evening, and I felt that, as a duty I owed the citizens of that city, I must act immediately; and I notified the owner that his theatre was a death trap, and that I should take the responsibility to order him not to hold another entertainment in that place until it was put in a proper and safe condition for an audience to assemble in, and until he had a certificate from this department authorizing him to use it as a theatre.

He seemed considerably stirred up at first at my sudden and emphatic criticism of his playhouse; but when I pointed out to him the possible danger and loss of life in case of fire, he concluded to be on the safe side and take no chances, and immediately took steps to discharge his company, which he did; and since then no theatre or assembling of people has been allowed in this place, as I afterwards refused to give him a certificate to occupy it as a public hall.

The other two theatres were in a city in the southern part of the county. They were not so large, nor situated under such hazardous circumstances; but I considered them not properly constructed for theatre purposes, and they were closed.

Report of Buildings Inspected.

CLASS NO. 1, DISTRICT NO. 8. ANSEL J. CHENEY, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Amesbury.		
Opera House,	No order,	-
Bahan block,	No order,	-
American House,	Red lights; watchman; portable fire-escapes.	Complied.
North Andover.		
Sutton's mills,	No order,	-
Brightwood mills,	Fire-escape,	Complied.
Andover.		
South Congregational Church,	No order,	-
Beverly.		
Star of the Sea Church,	No order,	-
Farms school-house,	No order,	-
New England Deaf-mute Home and School,	Fire-escapes,	-
South school,	No order,	-
Gloucester.		
City hall,	No order,	-
Belmont Hotel,	Portable fire-escapes,	Complied.
Oxford House,	Portable fire-escapes,	Complied.
Russia Cement Company's factory,	No order,	-
Centre block,	No order,	-
Bergengrunds block,	No order,	-
Gloucester National Bank block,	No order,	-
First Baptist Church,	No order,	-
Mansfield block,	No order,	-
Merchants' box factory,	No order,	-
Y. M. C. A. building,	No order,	-
Ocean House,	No order,	-
Grand View Hotel,	No order,	-
Ocean Side Hotel,	Portable fire-escapes; notice; additional alarm gong.	Complied.
The Overlook Hotel,	No order,	-
Magnolia House,	Watchmen; notices; portable fire-escapes.	Complied.
Hesperus House,	Portable fire-escapes,	Complied.
Rockaway House,	No order,	-
The Fair View House,	Portable fire-escapes,	Complied.
Harbor View House,	No order,	-
The Terrace,	Portable fire-escapes,	Complied.
Beachcroft House,	No order,	-
Hawthorne Inn,	No order,	-
Province House,	No order,	-
The Manse Cottage,	No order,	-

Report of Buildings Inspected—Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Gloucester—Con.		
Province Cottage,	Means for extinguishing fire; portable fire-escapes.	Complied.
Delphine Hotel,	No order,	—
The Surfside,	No order,	—
Oak Grove House,	No order,	—
Pavilion,	No order,	—
St. Ann Church,	No order,	—
St. Ann Catholic school,	No order,	—
Harvard House,	Portable fire-escapes,	Complied.
Hamilton.		
Chebacco House,	No order,	—
Wennepayken House,	No order,	—
Haverhill.		
Shutes block,	Fire-escape,	Complied.
Academy of Music,	Stand-pipe and hose on stage,	Complied.
Almshouse,	Fire-escape,	Complied.
Webster block,	Fire-escape,	Complied.
Webster block (No. 2),	Fire-escape,	Complied.
Chase factory,	No order,	—
Kimball block,	No order,	—
Merrill block,	Fire-escape,	Complied.
Byron Noyes factory,	Fire-escape,	Complied.
Arnold block,	Fire-escape,	—
Tilton & Bragg block,	Fire-escape,	—
Phinney block,	Remove obstruction to fire-escape,	Complied.
Eagle House,	Red lights; notices; portable fire-escapes.	Complied.
Corlis block,	No order,	—
O'Brien block,	Fire-escape,	Complied.
Rosenquard's tenement house,	No order,	—
Jakobousky's tenement house,	No order,	—
Ipswich.		
Hayes Tavern,	Fire-escape,	Complied.
Board of Trade factory,	Rail main stairway,	Complied.
Agawam House,	Protect floor under laundry stove; portable fire-escape; notices.	Complied.
Lynn.		
Newhall block,	Fire-escape,	Complied.
Lynn Theatre,	Put fire curtain in working order,	Complied.
Music hall,	Put fire curtain in working order,	Complied.
Hotel Puritan,	Extend outside fire-escape; put in portable fire-escapes.	Complied.
Foster House,	Portable fire-escapes,	Complied.
Strout block,	Remove obstruction to egress on stairs.	Complied.
Keith block,	Fire escape,	Complied.
C. B. Tebbetts block,	No order,	—
Gurney block,	Portable fire-escapes,	Complied.
Charles Wilson factory,	Repair fire escape,	Complied.
Heffernan Building Theatre,	Close the same,	Complied.
Hogg & Heath factory,	No order,	—
Miles building,	Fire-escape,	Complied.
People's Theatre,	Close the same,	Complied.
Harney Bros. factory,	No order,	—
Strout block (No. 2),	No order,	—
Hemmingway building,	Fire-escape,	Complied.
Lennox block,	Exits not to be obstructed,	Complied.
Lennox block (No. 2),	Exits not to be obstructed,	Complied.
Putnam's block,	Portable fire-escapes,	Complied.
Gardner & McManus factory,	Additional egress,	Complied.
Clapp's block,	Remove combustible material from cellar.	Complied.
Goodell's block,	Portable fire-escapes,	Complied.
Southworth block,	Portable fire-escapes,	Complied.
Union House,	Portable fire-escapes,	—
Woodbury building,	No order,	—
Foster block,	No order,	—
Woodbine Cottage,	Portable fire-escapes,	Complied.
Phelan's block,	Portable fire-escapes,	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Lynn—Con.		
Grand Central House,	Portable fire-escapes,	Complied.
Sweetsir's lodging house,	Portable fire-escapes,	Complied.
Spalding block,	Portable fire-escapes,	Complied.
Brown block,	Portable fire-escapes,	Complied.
O'Shea block,	Portable fire-escapes,	Complied.
Thomas block,	Additional egress and fire-escapes,	Complied.
Olms House,	No order,	-
Eureka Hotel,	Portable fire-escapes,	Complied.
Bay View Hotel,	No order,	-
The Prescott,	No order,	-
The Red Rock,	No order,	-
The Casino,	No order,	-
Dickson building,	Remove obstruction to fire-escape,	Complied.
Power building,	No order,	-
Sherry building,	No order,	-
Lynnfield.		
New Lynnfield Hotel,	No order,	-
Methuen.		
Methuen mills, 1, 2, 3,	No order,	-
Methuen Company knitting mill,	Fire-escape,	In hands of contractor.
Tenney factory,	Additional egress,	Complied.
Marblehead.		
Nanepashemet House,	No order,	-
Newbury.		
Plum Island Hotel,	No order,	-
Manchester.		
The Blynman,	No order,	-
Masconomo House,	Post notices in rooms,	Complied.
Lawrence.		
Opera House,	None,	-
Carpenter's Union hall,	None,	-
Pacific House,	Repair alarm gong; extend fire-escape; put in portable escapes.	Complied.
Essex House,	Provide portable means for extinguishing fire.	Complied.
Central House,	No order,	-
Godfrey block,	Remove obstruction on stairs; provide means for extinguishing fire.	Complied.
Park Theatre,	Ordered it closed,	Complied.
Father Mathew building,	No order,	-
St. Mary's parochial school,	No order,	-
A. O. H. building,	Fire-escape from third floor,	Vacated.
Ford's hall,	No order,	-
St. Mary's Catholic Church,	No order,	-
Essex County truant school,	No order,	-
Shillar hall,	No order,	-
Darley block,	No order,	-
Bradford's Arms Hotel,	No order,	-
The Brunswick Hotel,	Portable fire-escapes,	Complied.
Pilsbury block,	No order,	-
Pilsbury factory,	No order,	-
Essex House,	No order,	-
Bay State Bank building,	Additional egress,	Complied.
Essex Bank building,	No order,	-
Dempey's tenement house,	Fire-escape,	Complied.
Standley's tenement house,	No order,	-
Dr. Blair's tenement house,	Fire-escape,	Complied.
Horne's tenement house,	No order,	-
Horne's tenement house (No. 2),	No order,	-
McArdles' tenement house,	No order,	-
Dolan's tenement house,	No order,	-
Goldburg's tenement house,	Fire-escape,	Complied.
Goldburg's tenement house (No. 2),	Fire-escape,	Complied.
Jean Sisters' tenement house,	No order,	-
Ahern's tenement house,	No order,	-
Colman's tenement house,	No order,	-
McEvoy's tenement house,	No order,	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Lawrence — Con.		
McEvoy's tenement house (No. 2),	No order,	-
McEvoy's tenement house (No. 3),	No order,	-
Alexander's block,	No order,	-
Boynton's block,	Additional egress; portable fire-escapes	Complied.
Currier block,	Portable fire-escapes,	Complied.
Fairfield's block,	Watchman; notices; red lights; gongs,	-
French's tenement house,	No order,	-
French's tenement house (No. 2),	No order,	-
McCarty block,	No order,	-
Newburyport.		
City hall,	No order,	-
Towle Manufacturing Company's factory,	No order,	-
Brackett Manufacturing Company's factory,	No order,	-
St. Paul's Church,	No order,	-
Second Presbyterian Church,	Remove combustible material from under the church.	Complied.
Fourth Congregational Church,	No order,	-
Whitefield Church,	No order,	-
First Unitarian Church,	No order,	-
North Congregational Church,	No order,	-
Immaculate Conception Church,	No order,	-
Sedgwick House,	Portable fire-escapes,	Complied.
Nahant.		
Hotel Tudor,	No order,	-
Peabody.		
Town hall,	No order,	-
Peabody Institute,	No order,	-
Baldwin Hotel,	No order,	-
Pepper candy factory,	No order,	-
Peasley House,	Remove chimney or make it safe,	Complied.
Rockport.		
Linwood House,	No order,	-
Ocean View House,	No order,	-
Ocean View annex,	No order,	-
Turk's Head Inn,	No order,	-
Pigeon Cover House,	Notices in rooms,	Complied.
Morrison House,	Portable fire-escapes,	Vacated.
Saugus.		
Masonic building,	No order,	-
Salisbury.		
Salisbury House,	Portable fire-escapes,	Complied.
Atlantic House,	No order,	-
The Brunswick,	No order,	-
Seaside House,	Fire-alarm gongs,	-
Swampscott.		
Hotel Preston,	No order,	-
The Elms,	No order,	-
The Bellevue,	No order,	-
Ocean House,	No order,	-
Big Annawan,	No order,	-
Little Annawan,	No order,	-
Lincoln House,	No order,	-
Salem.		
Kean factory,	Remove obstruction in passageway,	Complied.
Mechanic hall,	No order,	-
Lyceum hall,	Fire curtains,	Abandoned.
Hotel Russell,	Portable fire-escapes,	Complied.
Bernard Mulligan factory,	Additional egress,	Complied.
Hamilton hall,	No order,	-
Y. M. C. A. building,	No order,	-
Bower block,	Fire-escape,	Complied.
Bertram school,	No order,	-
Saltonstall school,	No order,	-

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Salem—Con.		
Brown school,	No order,	-
Bowditch school,	No order,	-
Lincoln school,	No order,	-
Phelps school,	No order,	-
Bently school,	No order,	-
Cogswell school,	No order,	-
Upham school,	No order,	-
Endicott school,	Protect ceiling over furnace,	Complied.
Low school,	No order,	-
Winslow & Roger factory,	No order,	-
Association factory,	No order,	-
Federal House,	No order,	-
St James school,	No order,	-
Notre Dame Convent,	No order,	-
Cremer block,	Provide sanitarries,	-
Ocean View House,	Put fire-alarm gong in order; post notices.	-
Atlantic House,	No order,	-
Universalist Church,	No order,	-
Universalist Chapel,	No order,	-
Central Baptist Church,	No order,	-
Unitarian Church,	No order,	-
Unitarian Chapel,	No order,	-
House of Blazes,	Portable fire-escapes,	Complied.
House of Detention,	No order,	-
First Baptist Church,	No order,	-
Immaculate Conception Church,	Remove one row of seats on each side of gallery.	Complied.
Salem Hospital,	No order,	-
St. Joseph Church,	Additional egress from gallery,	Complied.
Tabernacle Chapel,	No order,	-
Jackson's tenement house,	Fire-escape,	Complied.
Topsfield.		
Odd Fellows hall,	No order,	-
A. O. U. W. hall,	No order,	-
Town hall,	No order,	-
Herrick shoe factory,	No order,	-

*Plans Received and Changes Recommended.*DISTRICT NO. 8. ANSEL J. CHENEY, *Inspector.*

BUILDING.	Location.	Changes Recommended.
The Terrace,	Gloucester,	Fire-stops.
Province House,	Gloucester,	None.
Stacy's Hotel,	Gloucester,	Fire-stops.
Ocean Side Hotel addition,	Gloucester,	None.
Garland's tenement house,	Gloucester,	Additional egress.
Augustus tenement house,	Gloucester,	Fire-stops.
Rockaway House,	Gloucester,	None.
Killom block,	Haverhill,	Fire-stops.
Winchell factory addition,	Haverhill,	None.
Brickett building, alterations,	Haverhill,	Tin elevator well.
Green factory,	Haverhill,	Additional flight of stairs.

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Bulfinch block,	Lynn,	Fire-stops.
Bennett factory,	Lynn,	Stairs to be inclosed.
Manning block,	Lynn,	Additional means of escape in case of fire.
Sagamore block,	Lynn,	Additional egress.
Proctor block,	Lynn,	Additional egress.
Hemmingway building,	Lynn,	Fire-stop stairways.
Harney Bros. factory addition,	Lynn,	Change location of stairs.
Renton's building,	Lynn,	None.
Strout block,	Lynn,	Fire-proof stairways.
Riley block,	Lynn,	None.
Twentieth Century building,	Lynn,	Fire-stops; additional egress.
Strout's block (No. 2),	Lynn,	Stairs to be inclosed with brick.
Ayer block,	Lynn,	None.
McEvoy's tenement house,	Lawrence,	Brick fire-stops in partitions.
McCormack tenement house,	Lawrence,	Fire-stops.
La Palm's tenement house,	Lawrence,	Two brick fire walls.
La Palms tenement house (No. 2),	Lawrence,	Two brick fire walls.
Dyer & Bakir's tenement house,	Lawrence,	Brick fire-stops.
Lang's tenement house,	Lawrence,	None.
McDermot's tenement house,	Lawrence,	Fire-stops.
Fairfield's block,	Lawrence,	Fire-stops.
Moran's tenement house,	Lawrence,	Fire-stops.
Sullivan's tenement house,	Lawrence,	Fire-stops.
Arlington mill,	Lawrence,	None.
Horne's tenement house,	Lawrence,	None.
Dearborn's tenement house,	Lawrence,	Brick fire walls.
Nowell's block,	Lawrence,	None.
Sullivan's block,	Lawrence,	Additional egress.
Austin's block,	Lawrence,	Brick fire walls.
Currier's tenement house,	Lawrence,	None.
Hartwell's tenement house,	Lawrence,	None.
Beattie's tenement house,	Lawrence,	Fire-stops; metal lath light well.
Wingate block,	Lawrence,	None.
St. Paul's Church addition,	Newburyport,	Additional egress.
Broderick block,	Peabody,	Fire-escape.
Sampson block,	Peabody,	Fire-stops.
St. Joseph's Convent,	Peabody,	Additional egress.
Salisbury House,	Salisbury,	None.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
The Belleview House, . . .	Swampscott, . . .	None.
Franklin building, alterations, . .	Salem, . . .	None.
Pelletier's tenement house, . . .	Salem, . . .	None.
Pelletier's tenement house (No, 2), .	Salem, . . .	None.
Devlin factory,	Salem, . . .	Additional egress.
Burnett tenement house,	Salem, . . .	None.
Butman apartment house,	Salem, . . .	None.
Pausland tenement house,	Salem, . . .	Fire-stops.
Syndicate tenement house,	Salem, . . .	Fire-stops.
Demras tenement house,	Salem, . . .	Fire-stops.
Michaud tenement house,	Salem, . . .	Fire-stops.
Gerard tenement house,	Salem, . . .	Fire-stops.
Proulix tenement house,	Salem, . . .	Fire-stops.
Essex House addition,	Salem, . . .	None.

REPORT OF INSPECTOR SPLAINE.

SIR : — I respectfully submit herewith a tabulated annual report of my inspections in District No. 9 of such buildings as come under the provisions of sections 24 and 34 of chapter 481, Acts of 1894, and of my official action in the treatment of such new buildings as are affected by section 25 of same chapter and acts above cited.

I have inspected the many manufacturing and other establishments in my district, and have enforced the provisions of sections 24 and 34, which require that ample means of egress shall be maintained and that suitable means of extinguishing fire shall be provided. Under authority of section 25 I have required that plans of such new buildings in course of construction and of such projected new buildings in my district as are affected by this section be submitted, for the purpose of securing at the proper time ample means of egress in case of fire and suitable means of extinguishing fire.

*Plans Received and Changes Recommended.*DISTRICT No. 9. HENRY SPLAINE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Talbot apartment house, . . .	Brookline, . . .	Fire-stops.
Phillips apartment house, . . .	Brookline, . . .	Additional egress.
Pineo apartment house, . . .	Brookline, . . .	Better egress.
Bird building, stores and apartments,	Brookline, . . .	None.
Keening's apartment house, . . .	Brookline, . . .	Fire and smoke stops.
Edwards & Sons' shirt factory, . .	Natick, . . .	Fire-escape; means to extinguish fire.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 9. HENRY SPLAINE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Ashland.		
Ashland Shoe and Leather Company.	Erect fire-escapes,	In course of erection.
Warren Thread Company,	None,	—
Scott's Hotel,	None,	—
Central House,	Means of extinguishing fire,	Complied.
Ashland almshouse,	Means of extinguishing fire,	Complied.
Avon.		
L. G. Littlefield's shoe factory, . .	Repair railing of stairs,	Complied.
J. B. Lewis' shoe factory,	Means of reaching fire-escape,	Complied.
Avon House,	Means of extinguishing fire,	Complied.
Bellingham.		
Taft, Murdock & Co, cassimere factory.	None,	—
S. A. Greenwood's box factory, . .	None,	—
Ray Woolen Company mill (No. 1), . .	None,	—
Ray Woolen Company mill (No. 2), . .	None,	—
Bellingham almshouse,	None,	—
Blackstone.		
Lawrence Felting Company mill, . .	None,	—
Lawrence Felting Company, shoddy mill.	None,	—
Lawrence Felting Company, shoddy mill (No. 2).	None,	—
Central boarding house,	None,	—
Woonsocket Rubber Company mill (No. 1).	None,	—
Woonsocket Rubber Company mill (No. 2).	None,	—
Woonsocket Rubber Company mill (No. 3).	None,	—
Woonsocket Rubber Company mill (No. 4).	None,	—
Burns tenement building,	None,	—
Keough's tenement block,	None,	—
Fletcher tenement building,	None,	—
Conlon tenement building,	None,	—
O'Gara's tenement building,	None,	—
Warren block,	None,	—
Big Store block,	None,	—
Blackstone Manufacturing Company mill (No. 1).	None,	—
Blackstone Manufacturing Company mill (No. 2).	None,	—

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Blackstone — Con.		
Blackstone Manufacturing Com- pany mill (No. 3).	None,	-
Blackstone Manufacturing Com- pany mill (No. 4).	None,	-
Blackstone Manufacturing Com- pany mill (No. 5).	None,	-
Union Hotel,	None,	-
Blackstone almshouse,	None,	-
Lincoln House,	None,	-
Gilbert's building,	None,	-
Brookline.		
Mordock's Hotel,	None,	-
Holtzer, Cabot Electric Company's factory.	None,	-
The Belknap, apartment house, .	None,	-
The Fodick, apartment house, .	None,	-
The Verick, apartment house, .	None,	-
The Ibrook, apartment house, .	Means to extinguish fire,	Complied.
The Monteith, apartment house, .	Means to extinguish fire,	Complied.
Phillips boarding house,	Means to extinguish fire,	Complied.
The St. Andrews, apartment house,	None,	-
Davis Mansion, apartment house, .	Means to extinguish fire,	Complied.
McLeod Mansion, apartment house,	None,	-
Seaman's block,	None,	-
Sullivan's block,	None,	-
Clements apartment house, . . .	None,	-
Somerset House,	Fire-escape; means to extinguish fire,	Complied.
Chase building,	None,	-
Stearns building,	Fire-escape; means to extinguish fire,	Present condi- tions do not compel com- pliance.
Whyte building,	Means to extinguish fire,	Complied.
Grafton building,	Means to extinguish fire,	Complied.
The Adelaide, apartment house, .	None,	-
The Kempsford, apartment house,	None,	-
Boynnton building,	None,	-
Halfenstein block,	None,	-
American Screen Company factory,	None,	-
Mrs. Fenn's boarding house, . . .	Means to extinguish fire,	Complied.
The Rathmore boarding house, . .	None,	-
Cook's block,	None,	-
Herrick & Co. apartment build- ings:—		
No. 1,	None,	-
No. 2,	None,	-
No. 3,	None,	-
No. 4,	None,	-
No. 5,	None,	-
No. 6,	None,	-
No. 7,	None,	-
No. 8,	None,	-
Talbot's block,	None,	-
Mrs. Harvey's boarding house, . .	None,	-
Mrs. Grigg's boarding house, . . .	None,	-
E. S. Ritchie & Sons factory, . . .	None,	-
Mrs. Friend's boarding house, . . .	None,	-
Mrs. Mallet's boarding house, . . .	None,	-
John Shields' workshop,	None,	-
The Elsa, apartment,	Means to extinguish fire,	Complied.
The Lester, apartment,	Means to extinguish fire,	Complied.
Mrs. F. K. Smith's boarding house,	None,	-
The Wickfield, apartment,	Means to extinguish fire,	Complied.
The Verona, apartment,	Means to extinguish fire,	Complied.
O'Brien Bros. building,	None,	-
Howe's apartment house (No. 1), . .	None,	-
Howe's apartment house (No. 2), . .	None,	-
Graffam's building,	None,	-
Graffam's building (No. 2),	None,	-
The Willard, apartments,	Means to extinguish fire,	Complied.
Littlefield's apartment house, . .	None,	-
The Marion, apartments,	None,	-
The Gables, apartments,	Means to extinguish fire,	Complied.
Emery E. Allen's building,	None,	-

Report of Buildings Inspected—Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Brookline—Con.		
Pineo building, apartments, . . .	None,	-
The Linden, apartments, . . .	None,	-
The Elizabeth, apartments, . . .	None,	-
Doctor Murphy's building, . . .	None,	-
Doctor Murphy's building (No. 2), . . .	None,	-
Cook's apartment house (No. 1), . . .	None,	-
Cook's apartment house (No. 2), . . .	None,	-
O'Brien's building, apartments, . . .	None,	-
Bailey's lumber mill, . . .	None,	-
Brookline almshouse, . . .	None,	-
Lynch's block, apartments, . . .	None,	-
The Gratton, tenements, . . .	Means to extinguish fire, . . .	Complied.
The Kansas, tenements, . . .	None,	-
Flemming building, . . .	None,	-
Canton.		
American Net and Twine Company factory, . . .	None,	-
Eureka Silk Company mill (No. 1), . . .	None,	-
Eureka Silk Company mill (No. 2), . . .	None,	-
Eureka Silk Company mill (No. 3), . . .	None,	-
Morse Bros stove polish factory, . . .	None,	-
Draper Bros Co. factory, . . .	None,	-
Wellington House, . . .	None,	-
Capen's block, tenements, . . .	Fire-escape; means to extinguish fire, . . .	In course of erection.
Canton Manufacturing and Bleaching Company, . . .	None,	-
Canton almshouse, . . .	None,	-
Foxborough.		
Inman & Kimball's factory, . . .	None,	-
Caton Bros., Bixby & Co. factory, . . .	None,	-
Cocassett House, . . .	None,	-
Foxborough House, . . .	Means to extinguish fire, . . .	Complied.
A. F. Bemis Hat Company, . . .	None,	-
Foxborough almshouse, . . .	None,	-
John Castillo's hat factory, . . .	None,	-
The Mark A. Torrey Co., . . .	None,	-
Framingham.		
Gregory, Shaw & Co., . . .	None,	-
Saucier's tenement house, . . .	None,	-
A. M. Eames & Co., . . .	None,	-
Smalley & Co. straw factory, . . .	None,	-
T. L. Barber & Co., . . .	None,	-
Old Colony House, . . .	None,	-
The Proctor House, . . .	None,	-
Frank F. Avery, . . .	None,	-
Winthrop House, . . .	None,	-
Irving Square lodging house, . . .	Means to extinguish fire, . . .	Complied.
Framingham Box Company, . . .	None,	-
H. L. Sawyer tenements, . . .	None,	-
McFarland's tenement block, . . .	None,	-
Auburn Last Company, . . .	None,	-
Caston's block, . . .	None,	-
Sanitarium tenement block, . . .	None,	-
A. H. Ordway & Co., . . .	None,	-
Blades building (No. 1), . . .	None,	-
Blades building (No. 2), . . .	None,	-
French Bros building, . . .	None,	-
Central House, . . .	Means to extinguish fire, . . .	Complied.
Home for the Aged, . . .	None,	-
Mrs. Moulton's house, . . .	None,	-
Simpson's tenement building, . . .	None,	-
Church block, tenements, . . .	None,	-
Framingham almshouse, . . .	None,	-
Holbrook.		
Paine Shoe Company, . . .	None,	-
Whitcomb, Paine & Co., . . .	None,	-
J. B. Billings' shoe factory, . . .	None,	-
Edmund White's shoe factory, . . .	Additional egress, . . .	Complied.
Goeres Bros, . . .	Additional egress, . . .	Complied.
O'Neil Shoe Company, . . .	Additional egress, . . .	Complied.
Thomas White & Co., . . .	None,	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Holliston.		
C. J. Driscoll's factory, . . .	None,	-
C. F. Driscoll's factory, . . .	Fire-escape,	-
Hughes & Co. harness factory, . . .	None,	-
C. H. Goodwin's factory, . . .	None,	-
John Clancy shoe factory, . . .	Fire-escape,	Complied.
Bullard House,	None,	-
The Mowery Straw Works Com- pany,	Means to extinguish fire,	Complied.
American House,	Means to extinguish fire,	Complied.
Holliston Home, almshouse, . . .	None,	-
Z. Talbot factory,	None,	-
Holliston Harness Company, . . .	None,	-
Hopedale.		
Hopedale Machine Company, . . .	None,	-
Dutcher Temple Company, . . .	None,	-
The Hopedale Machine Screw Com- pany,	None,	-
The Hopedale House,	Means to extinguish fire,	Complied.
Hopkinton.		
Crooks, Root & Co.,	None,	-
Hopkinton House,	None,	-
Gerry's boarding house,	None,	-
Central House,	None,	-
Park House,	None,	-
A. Coburn & Sons,	None,	-
Reservoir House,	None,	-
Hopkinton almshouse,	Means to extinguish fire,	Complied.
Hyde Park.		
Hamblin's factory,	Fire-escape,	Complied.
Hamblin's tenement block (No. 1), . . .	None,	-
Hamblin's tenement block (No. 2), . . .	None,	-
Hamblin's tenement block (No. 3), . . .	Recommended strengthening of bal- conies,	-
Hamblin's tenement block (No. 4), . . .	None,	-
Hamblin's tenement block (No. 5), . . .	None,	-
Hamblin's tenement block (No. 6), . . .	None,	-
Hamblin's tenement block (No. 7), . . .	None,	-
Mrs. Frank Luker's building, . . .	None,	-
Medfield.		
Searle, Dalley & Co. straw works, . . .	None,	-
Searle, Dalley & Co. boarding house, . . .	None,	-
The Elmwood Hotel,	None,	-
Medfield almshouse,	Means to extinguish fire,	Complied.
Medway.		
Chase, Merritt & Co.,	None,	-
Hirsh & Park, straw goods,	None,	-
Hotel Bingham,	Egress; means to extinguish fire,	Complied.
Gladstone House,	Means to extinguish fire,	Complied.
National Roller Chafe Iron Com- pany,	None,	-
Stanley House,	None,	-
N. E. Awl and Needle Company, . . .	None,	-
Abner M. Smith's shoe factory, . . .	Means to extinguish fire,	Complied.
Medway almshouse,	None,	-
Cole, Senior & Co.,	Fire-escape,	Complied.
Mendon.		
Adams House,	None,	-
Milford.		
Milford Shoe Company factory (No. 1),	None,	-
Milford Shoe Company factory (No. 2),	None,	-
Samuel A. Eastman's paper box factory,	None,	-
Samuel A. Eastman's paper box factory (No. 2),	None,	-
Clapp, Hucksins & Temple,	None,	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Milford — Con.		
Coburn, Fuller & Co.,	None,	-
Lincoln House,	None,	-
Willian Hotel,	None,	-
Wilkinson & Hawes' straw works, .	None,	-
F. W. Mann & Co.,	None,	-
Green Brothers,	None,	-
Hotel Gillon,	None,	-
Claffin's tenement house (No. 1), .	Means to extinguish fire,	Complied.
Claffin's tenement house (No. 2), .	Means to extinguish fire,	Complied.
Claffin's tenement house (No. 3), .	None,	-
Claffin's tenement house (No. 4), .	Means to extinguish fire,	Complied.
Milford almshouse,	Means to extinguish fire,	Complied.
B. H. Spaulding's straw works, .	None,	-
Milford House,	None,	-
Castle tenement house (Ambrosoli).	Fire-escape; means to extinguish fire,	Complied.
Mansion House,	None,	-
Goucher's Hotel,	None,	-
Mechanics' block,	None,	-
Natick.		
E. Edwards & Sons shirt factory, .	Fire-escape; means to extinguish fire,	Complied.
B. M. Brennan's shoe factory, .	None,	-
J. W. Walcott's shoe factory, .	None,	-
C. J. Littlefield & Co.,	Means to extinguish fire,	Shut down.
P. J. Doyle's shoe factory, . .	Means to extinguish fire,	Shut down.
D. J. Murphy's pancake factory, .	None,	-
City Hotel,	None,	-
Sheldon Bros shoe factory, . .	None,	-
Johnson, Dale & Aldrich, . .	None,	-
Riley Pebbles shoe factory, . .	Repair fire-escape,	Complied.
William F. Pfeifer & Co., . . .	Means to extinguish fire,	Complied.
Bailey's Hotel,	None,	-
Cochituate House,	None,	-
Elliott House,	None,	-
Natick almshouse,	None,	-
J. C. Brennan's shoe factory, .	Means to extinguish fire,	Complied.
Wilson House,	Means to extinguish fire,	Complied.
Elm Tree Inn,	Means to extinguish fire; rope escapes,	Complied.
Felch Bros. shoe factory, . . .	Additional means of egress, . . .	Complied.
Sunny Side Hotel,	Keep certain door unlocked, . . .	Shut down.
C. H. Felch's shoe factory, . .	None,	-
The Driscoll Shoe Company, . .	None,	-
Needham.		
William Carter & Co.,	None,	-
Moseley & Co.,	None,	-
Carter's tenement block,	Means to extinguish fire,	Complied.
High Street knitting works, . .	None,	-
Crooks & Bratt,	None,	-
Union Cycle Manufacturing Company.	None,	-
Mackenzie House,	Means to extinguish fire,	Complied.
Norfolk.		
City mills felt factory,	None,	-
Norwood.		
Lyman Smith's Sons Company, . .	None,	-
Norwood House,	None,	-
Winslow Bros. tannery,	None,	-
Central House, boarding,	None,	-
Quincy.		
Quincy Cycle Company,	Additional stairs; means to extinguish fire.	Shut down.
Wollaston Hotel,	Means to extinguish fire,	Complied.
Sherborn.		
Sherborn almshouse,	None,	-
Southborough.		
Kremo Manufacturing Company, .	None,	-
Cordaville Woolen Company (No. 1),	None,	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Southborough — Con.		
Cordaville Woolen Company (No. 2),	None,	-
St. Mark's school,	None,	-
Fay school,	None,	-
Stoughton.		
J. & H. Fitzpatrick's shoe factory,	Fire-escape,	-
Charles Tenney's shoe factory, . .	None,	-
Geo. E. Belcher's last factory, . .	None,	-
Milton House,	Means to extinguish fire,	Complied.
J. G. Phinney Counter Company, . .	None,	-
French & Ward, upper mill,	None,	-
French & Ward, lower mill,	None,	-
Stoughton almshouse,	None,	-
Chas. Stratton & Sons,	None,	-
McLean House,	Ropes in position; means to extinguish fire.	Complied.
Upton.		
William Knowlton & Sons straw works.	None,	-
Hotel Pleasant,	None,	-
Knowlton's boarding-house,	None,	-
The Sharp block,	None,	-
Walpole.		
Union Sandpaper & Emery Company.	None,	-
Neponset House,	Means to extinguish fire,	Complied.
Walpole almshouse,	None,	-
Bradford, Lewis & Son,	None,	-
Chandler Adjustable Chair Company.	None,	-
Weymouth.		
Edwin Clapp's shoe factory,	None,	-
John Carroll & Sons,	None,	-
Strong & Garfield Company,	None,	-
Elon Sherman's Sons,	None,	-
Weymouth Mitten Company,	None,	-
H. B. Reed & Co. shoe factory, . . .	None,	-
Cushing House,	Place ropes; provide means to extinguish fire.	Complied.
E. H. Stetson & Co. shoe factory, . .	None,	-
Frederick Cate's wrapper factory, . .	None,	-
George E. Porter's shoe factory, . . .	None,	-
John W. Hart & Co.,	None,	-
George H. Bicknell's factory,	Means to extinguish fire,	Complied.
Weymouth almshouse,	None,	-
M. Sheehy's shoe factory,	None,	-
East Weymouth paper box factory, . .	None,	-
M. C. Dizer & Co. shoe factory, . . .	None,	-
Juniper House,	None,	-
Torrey, Curtis & Tirrell,	None,	-
John E. Mann, wool scouring,	None,	-
Wessagussett House,	None,	-
Monatiquot House,	None,	-
The Bayside boarding house,	None,	-
Wrentham.		
Cowall & Hall's jewelry factory, . .	None,	-
Wrentham almshouse,	None,	-
Daniel Brown's straw works,	None,	-
Lincoln & Bacon's building (No. 1), . .	None,	-
Lincoln & Bacon's building (No. 2), . .	None,	-

Summary.

Factories and other establishments inspected during the year, under provisions of sections 24 and 34 of chapter 481, Acts of 1894,	317
Factories and other establishments visited for inspection, which were found not to come under the provisions of the sections above cited,	97
Factories visited for inspection, which were found to be absolutely shut down, on account of business depression, . . .	32
Total,	446

REPORT OF INSPECTOR MERRIAM.

SIR:—I have the honor to submit the following report of work performed by me during the past year, tabulated so far as possible.

The usual number of buildings has been inspected and plans of new buildings received; and in all cases, except a few where committees have failed to get appropriations sufficient to do the work properly, my recommendations have been promptly complied with. In addition to this, much time has been given in testing the ventilation of buildings finished late last season, and the detail and advisory work connected with those in process of construction, including several buildings where changes have been made in compliance with former notices. Of the plans submitted, I am pleased to note the general improvement, in construction to resist the spread of fire, better means of egress and sanitary provisions, over prior years.

Plans Received and Changes Recommended.

DISTRICT No. 10. FREDERICK W. MERRIAM, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Jones block,	Adams,	None.
Renfrew school,	Adams,	Suggestions on ventilation.
Shoe factory,	Conway,	None.
Parker block,	Great Barrington,	None.
Brewer block,	Great Barrington,	None.
Masonic block,	Greenfield,	Suggestions on ventilation.
Parochial school,	Montague,	None.
O'Keefe's Hotel,	Montague,	Fire-stops.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Jones building,	North Adams, .	Better egress.
Hastings block,	North Adams, .	None.
Hagerty block,	North Adams, .	None.
Braytonville school,	North Adams, .	Better egress; suggestions on ventilation.
Dowling block (No. 1),	North Adams, .	None.
Dowling block (No. 2),	North Adams, .	None.
Johnson school,	North Adams, .	Suggestions on ventilation.
Flaherty block,	North Adams, .	Fire-stops.
Parochial school,	North Adams, .	Suggestions on ventilation.
O'Brien block,	North Adams, .	None.
Fraternal hall,	Orange,	Better egress.
Lutheran Church,	Orange,	None.
Notre Dame Church,	Pittsfield,	None.
St. John's Church,	Williamstown, .	None.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 10. FREDERICK W. MERRIAM, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Adams.		
Commercial Street school,	Better ventilation,	-
Amherst.		
North Amherst school,	Suggestions on ventilation,	Complied.
Cheshire.		
Dean's Hotel,	Rope fire-escapes,	Complied.
Dalton.		
High school,	Special report,	Complied.
Easthampton.		
Union Centre school,	Better ventilation,	-
Great Barrington.		
Durant building,	Rope fire-escapes,	Complied.
Berkshire block,	Fire-escapes,	Complied.
Miller House annex,	Rope fire-escapes,	Complied.
Courier block,	Fire-escapes,	Complied.
Sanford block,	None,	-
Greenfield.		
Franklin County court house,	Suggestions on ventilation,	Under consideration.
Hinsdale.		
Bowen block,	Additional egress,	Complied.
Holyoke.		
Lyman Street school,	Better ventilation,	-
Sargent Street school,	Better ventilation,	-
Nonotuck Street school,	Changes in flues,	Complied.

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
North Adams.		
Beaver mill,	None,	-
Eclipse mill,	None,	-
Y. M. C. A. building,	Additional egress,	Complied.
Drury Academy,	Suggestions on sanitararies,	Complied.
Union Street school,	Suggestions on sanitararies,	Complied.
Church Street school,	Suggestions on sanitararies,	Complied.
Orange.		
High school,	Better ventilation,	-
Putnam Opera House,	Fire curtain,	Complied.
Orange shirt mill,	Swing doors out,	Complied.
Palmer.		
Village grammar school,	Better ventilation,	Under consideration.
Pittsfield.		
England block,	None,	-
Berkshire County court house,	Better ventilation,	Under consideration.
Sheffield.		
Sheffield House,	Additional egress,	Complied.
South Hadley.		
High school,	None,	-
Stockbridge.		
Edwards Arms,	None,	-
Wales.		
Centre school,	Better ventilation,	-
South Centre school,	Better ventilation,	-

Certificates Issued.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT HOUSES.	Story.	Location.	Date of Certificate.	Inspector.
1895.				
Sprague & Hathaway Co.'s factory,	1	West Somerville, .	May 9,	H. J. Bardwell.
Sprague & Hathaway Co.'s factory,	2	West Somerville, .	9,	H. J. Bardwell.
Sprague & Hathaway Co.'s factory,	3	West Somerville, .	9,	H. J. Bardwell.
Sprague & Hathaway Co.'s factory,	4	West Somerville, .	9,	H. J. Bardwell.
1896.				
E. Edwards & Sons' shirt factory,	1	Natick,	Feb. 27,	Henry Splaine.
E. Edwards & Sons' shirt factory,	2	Natick,	27,	Henry Splaine.
E. Edwards & Sons' shirt factory,	3	Natick,	27,	Henry Splaine.
Ginn & Co.'s publishing establishment.	1	Cambridge,	27,	H. J. Bardwell.
Ginn & Co.'s publishing establishment.	2	Cambridge,	27,	H. J. Bardwell.
Ginn & Co.'s publishing establishment.	3	Cambridge,	27,	H. J. Bardwell.
Ginn & Co.'s publishing establishment.	4	Cambridge,	27,	H. J. Bardwell.
Reversible Collar Co.'s factory, .	1	Cambridge,	Mar. 14,	H. J. Bardwell.
Reversible Collar Co.'s factory, .	2	Cambridge,	14,	H. J. Bardwell.
Reversible Collar Co.'s factory, .	3	Cambridge,	14,	H. J. Bardwell.
Reversible Collar Co.'s factory, .	4	Cambridge,	14,	H. J. Bardwell.
Eliot hall building,	1	Newton,	18,	Jos. A. Moore.
Eliot hall building,	2	Newton,	18,	Jos. A. Moore.
Eliot hall building,	3	Newton,	18,	Jos. A. Moore.
Medford Opera House,	-*	Medford,	24,	John T. White.
Medford Opera House,	-†	Medford,	24,	John T. White.

* Main auditorium.

† Gallery.

Certificates Issued — Concluded.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT HOUSES.	Story.	Location.	Date of Certificate.	Inspector.
Drill hall Eighth Regiment armory, . . .	-*	Newburyport, . . .	1896. Mar. 27,	John T. White.
Wonderland Musée and Parlor Theatre.	-†	Lowell,	April 15,	John T. White.
Wonderland Musée and Parlor Theatre.	-‡	Lowell,	15,	John T. White.
American Waltham Manufacturing Company.	1	Waltham,	May 7,	H. J. Bardwell.
American Waltham Manufacturing Company.	2	Waltham,	7,	H. J. Bardwell.
American Waltham Manufacturing Company.	3	Waltham,	7,	H. J. Bardwell.
Horton's trunk manufactory,	1	Somerville,	7,	H. J. Bardwell.
Horton's trunk manufactory,	2	Somerville,	7,	H. J. Bardwell.
Horton's trunk manufactory,	3	Somerville,	7,	H. J. Bardwell.
A. H. Ordway's factory,	2	So. Framingham, . .	16,	Henry Splaine.
A. H. Ordway's factory,	3	So. Framingham, . .	16,	Henry Splaine.
Charles H. Allen's building,	3	Lowell,	July 9,	H. J. Bardwell.
Charles H. Allen's building,	4	Lowell,	9,	H. J. Bardwell.
E. G. Park's Grand View apartment house.	1	Somerville,	Oct. 12,	H. J. Bardwell.
E. G. Park's Grand View apartment house.	2	Somerville,	12,	H. J. Bardwell.
E. G. Park's Grand View apartment house.	3	Somerville,	12,	H. J. Bardwell.

* Main floor.

† Main auditorium.

‡ Gallery.

A MODEL MASSACHUSETTS COTTON MILL.

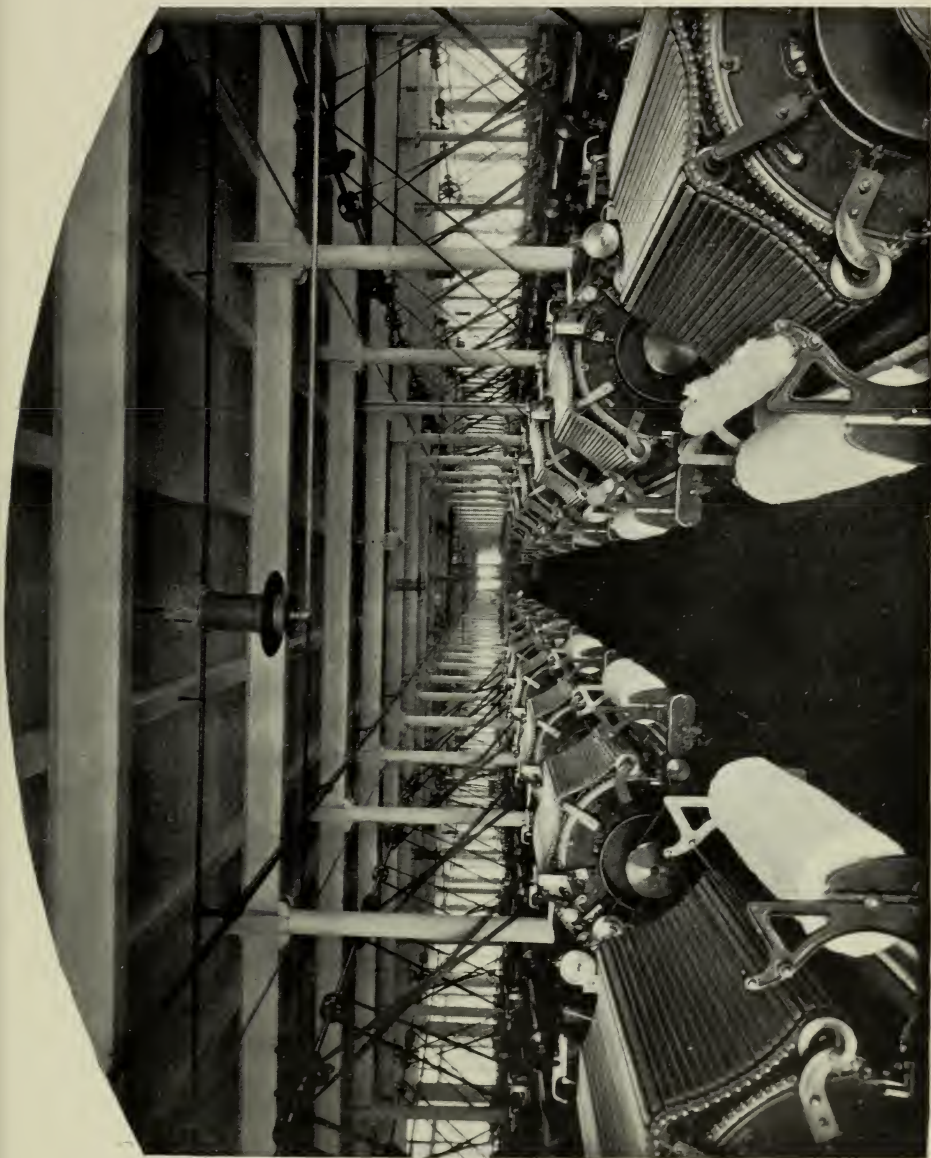
It has been my custom from year to year in my annual reports to bring to notice some special feature of interest that has attracted my attention during the fiscal year.

The following description and illustration of the Berkshire Cotton Manufacturing Company's mill, at Adams, Mass., shows the great progress that has been made in modern factory construction.

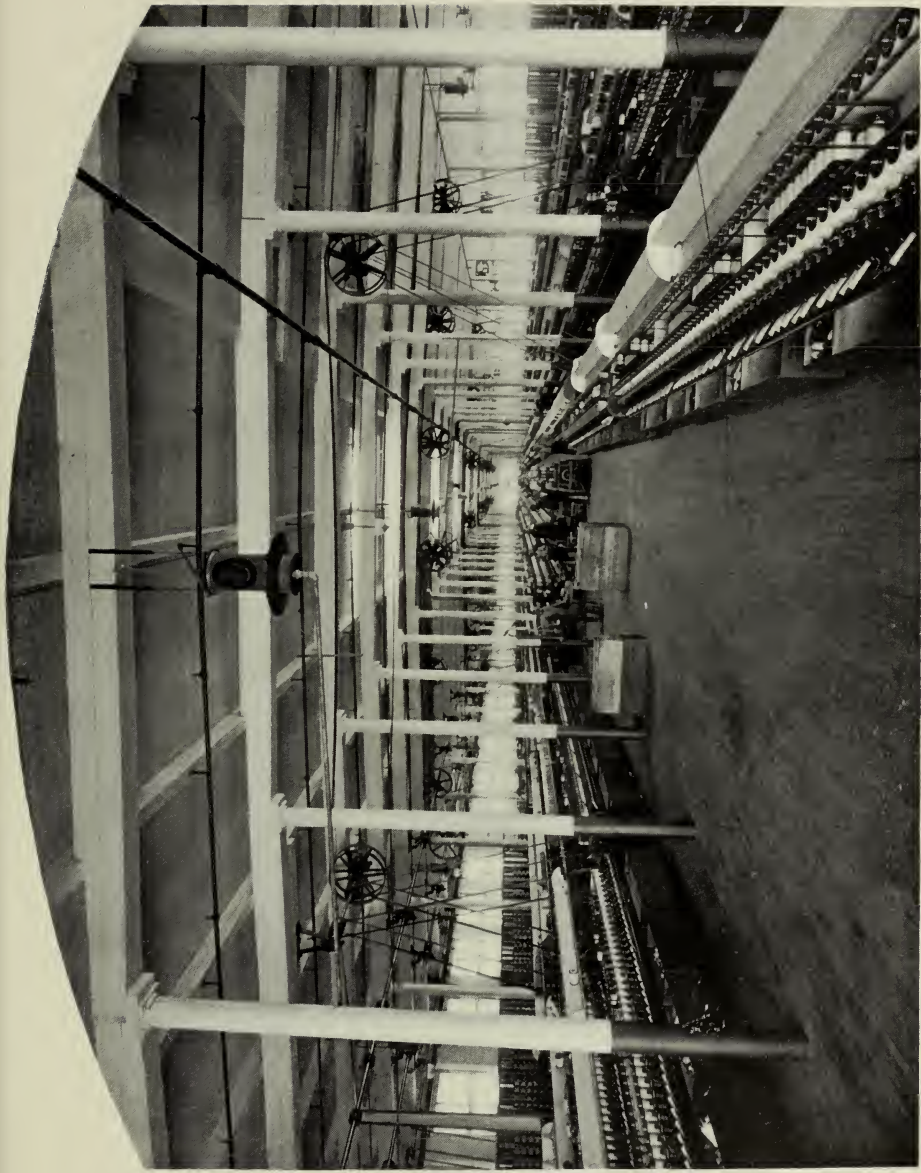
This new mill building is from the design of Mr. F. P. Sheldon, mill engineer, of Providence, R. I., and possesses points of interest, inasmuch as it is said to be the first cotton mill in this country in which steel floor beams are used. As mill buildings have gradually increased in size, thus increasing the width of the buildings and necessitating larger window spaces and larger spaces between the rows of interior columns, the floors have become weaker and more subject to vibration. It was thought that, owing to the increased cost, steel would never make its appearance in buildings of this character; but this objection was overcome by placing longitudinal girders on the steel girders,



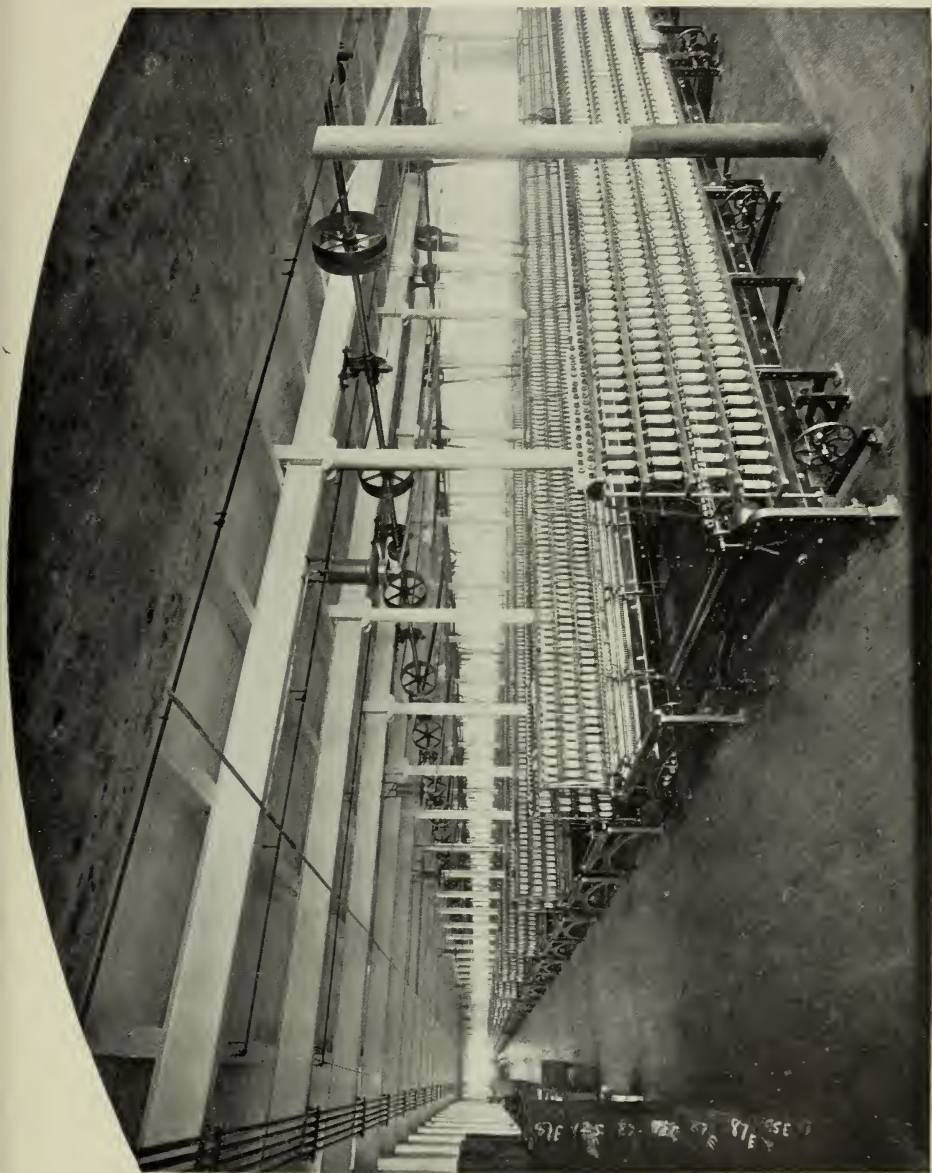
BERKSHIRE COTTON MANUFACTURING COMPANY'S MILL — ADAMS, MASS.



BERKSHIRE COTTON MANUFACTURING CO. — CARD ROOM.



BERKSHIRE COTTON MANUFACTURING CO.—SPOOL ROOM.



BERKSHIRE COTTON MANUFACTURING CO. — MULE SPINNING ROOM.



BERKSHIRE COTTON MANUFACTURING CO. — WEAVE ROOM.

thus reducing the spans and greatly enhancing the rigidity of the flooring, enabling the fine goods machinery to be run to better advantage. It is also claimed that steel beams, unlike wooden ones, do not weaken the walls. Pine beams, with the air spaces, usually take ten inches out of a thirty-two inch wall, while the steel I beams are imbedded in the bricks and become a part of the wall.

The new mill, which will be known as No. 3, is located on a triangular-shaped lot, measures 118 feet 4 inches wide by 440 feet long, outside dimensions, and has five stories. The mill will contain 80,000 spindles and 2,150 looms, for the manufacturing of fine-combed cotton goods. The walls are essentially piers proportioned to carry their share of floor and roof strains, and filled in with abundant window spaces bridged across with wrought-iron, rectangular, trough-shaped lintels. The walls are about 92 feet high. At each angle and in the centre of the long side of the building are located the staircases, sanitariums and wardrobes, which are entirely cut off from the main building by brick walls.

At one corner of the mill building there is a five-story structure, 50 by 130 feet, which contains a 1,650 horsepower twin tandem compound-condensing engine. The fly wheel of the engine is 22 feet in diameter and $11\frac{1}{2}$ feet face, from which four belts lead to the pulleys driving the different floors of the belt tower. The belts are carried up in a tower in the corner of the building. Each of the floors containing the looms will be without belts, the looms being driven by belts carried up from line shafts hung from the ceiling of the floor below.

The steam for the engine is generated in a battery of boilers and carried 280 feet from the boilers to the engine.

It has been the aim of Mr. W. B. Plunkett, treasurer of the company, in planning the building to provide ample accommodations for the help, proper ventilation, guarding of machinery and means of egress, to comply in every respect with the requirements of the laws of the State. The sanitariums are equal to any hotel sanitariums in the country.

Communication is established from every room in the building to the engine room by a system of electric wires

running from each room to the engine room and connecting with the engine; thereby, in the event of an accident, the machinery may be stopped instantly by the pressure of a button from any one of a number of given points in each room.

REPORTS BY DISTRICTS OF FACTORIES, WORKSHOPS AND MERCANTILE ESTABLISHMENTS INSPECTED AND ORDERS ISSUED.

REPORT OF INSPECTOR HALSTRICK.

SIR:—I respectfully submit herewith a tabulated report of factories and workshops inspected by me during the past year.

The law relative to the guarding of dangerous machinery has been strictly enforced, and the orders given cheerfully complied with. The sanitation in factories and workshops I have found to require constant supervision, more especially in the smaller workshops, which are not at all times kept in a condition conducive to health. Considerable progress, however, has been made, and good results have been attained under the provisions of the law, which are manifest in every instance where orders have been given to remedy the imperfections.

I find in nearly all of the manufacturing establishments of this district where children are employed a disposition on the part of those employing them to live up to the law, and a thorough investigation of the district shows quite a decrease during the past year in the number of children employed under the age of fourteen years; and good results have been attained in regard to the prohibition of child labor under the age of thirteen years, as it is seldom that a child under that age is to be found in any manufacturing establishment in the district.

The law relative to the reports of accidents, requiring factories, manufacturing and mercantile establishments to send to the chief of the district police a written notice of any accident to an employee, has not in all cases been observed by the mercantile establishments, their plea being ignorance of such law.

The elevators in the district have been constructed in the manner required by law, and invariably provided with some form of safety device, whereby the car is held in the event of an accident to the hoisting rope or gear; and the openings to the well-holes have been provided with doors, automatic gates or bars. The law relative to the employment of custodians of elevators (wherein it is provided that no person, firm or corporation shall permit any

person under fifteen years of age to have the care or operation of any elevator) has been strictly complied with.

It is gratifying to say that the manufacturers show such a desire to fully inform themselves in regard to the provisions of the various factory laws, and to comply with their requirements, that it is only necessary to call their attention to any violation to have it immediately remedied.

In reviewing the results of the operation of the factory laws during the past eight years, I am pleased to say that the benefits derived from the enforcement have, in my opinion, been productive of much good to both employer and employee.

Summary.

Inspections,	519
Orders issued,	102
Compliances,	102
Children between thirteen and fourteen,	10
Children between fourteen and sixteen,	408
Males,	13,054
Females,	9,836
Total males and females,	23,308

DISTRICT No. 2, JOSEPH HALSTRICK, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
ASHLAND.							
Ashland Shoe and Leather Co.,	Boots and shoes,	200	100	—	1	Certificate for minor,	Complied.
BELLINGHAM.							
Taft, Murdock & Co.,	Satinets,	103	52	—	3	Certificates for minors,	Complied.
BOSTON.							
Hancock Inspirator Co.,	Inspirators,	127	3	—	1	Certificate for minor,	Complied.
B. F. Pauli,	Furrier,	1	1	—	—	Post time notice,	Complied.
Lehr & Klopot,	Gloves,	6	18	—	—	Post time notice,	Complied.
A. Gross,	Tailoring,	5	2	—	—	Post time notice,	Complied.
Standard Laundry,	Laundry,	4	43	—	—	Post time notice,	Complied.
New England Piano Co.,	Pianos,	280	20	—	1	Pay weekly,	Complied.
New England Screw Co.,	Screws,	13	16	—	1	Certificate for minor,	Complied.
American Hand Laundry,	Laundry,	2	18	—	—	Post time notice,	Complied.
Highland Laundry,	Laundry,	2	7	—	—	Post time notice,	Complied.
S. R. Niles,	Advertising bureau.	8	4	—	—	Designate water-closets,	Complied.
C. H. Lowell,	Gold plater,	1	1	—	—	Designate water-closets,	Complied.
E. Orpen,	Tailoring,	1	7	—	—	Post time notice; designate water-closets.	Complied.
Lee I. Powers,	Antique furniture,	29	3	—	—	Pay weekly,	Complied.

Gordon Coat and Apron Supply Co.	Aprons and coats,	1	7	1	Good, .	Post time notice,	Complied.
Excelsior Laundry, . . .	Laundry, . . .	10	30	—	Good, .	Post time notice, . . .	Complied.
F. P. Cox Co., . . .	Laundry, . . .	10	55	—	Good, .	Post time notice, . . .	Complied.
Roxbury Steam Laundry, . . .	Laundry, . . .	4	20	—	Good, .	Post time notice, . . .	Complied.
Sargent's Laundry, . . .	Laundry, . . .	5	35	—	Good, .	Post time notice, . . .	Complied.
Shawmut Laundry, . . .	Laundry, . . .	2	18	—	Good, .	Post time notice, . . .	Complied.
Highland Laundry, . . .	Laundry, . . .	2	13	—	Good, .	Post time notice, . . .	Complied.
City Hospital, . . .	Laundry, . . .	—	—	—	Good, .	Guard gearing to mangles; guard main or driving wheel, . . .	Complied.
Bay State Metal Works, . . .	Metal cornices, . . .	60	1	—	Good, .	Pay weekly, . . .	Complied.
George G. Little, . . .	Printing, . . .	3	2	—	Good, .	Post time notice, . . .	Complied.
George Coleman, . . .	Bookbinding, . . .	30	16	—	Good, .	Post time notice, . . .	Complied.
Mercantile Printing Co., . . .	Printing, . . .	5	—	—	Good, .	Post time notice, . . .	Complied.
Trade P. N. P. Co., . . .	Bookbinding, . . .	1	5	—	Good, .	Post time notice, . . .	Complied.
J. C. Clark & Co., . . .	Printing, . . .	8	—	—	Good, .	Post time notice, . . .	Complied.
N. F. Connor, . . .	Paper ruling, . . .	6	3	—	Good, .	Post time notice, . . .	Complied.
Goldthwaite's Golden Gum, . . .	Golden gum, . . .	1	9	—	Good, .	Post time notice, . . .	Complied.
B. Wilkins & Co., . . .	Printing, . . .	29	5	—	Good, .	Post time notice, . . .	Complied.
W. S. Best, . . .	Printing, . . .	22	4	—	Good, .	Certificate for minor, . . .	Complied.
James J. Davis, . . .	Paper ruling, . . .	1	2	—	Good, .	Post time notice, . . .	Complied.
Skinner, Bartlett & Co., . . .	Printing, . . .	27	8	—	Good, .	Certificate for minor, . . .	Complied.
George H. Ellis, . . .	Printing, . . .	60	50	—	Good, .	Certificate for minor, . . .	Complied.
American Type Foundry Co., . . .	Types, . . .	50	150	—	Good, .	Post time notice; certificate for minors, . . .	Complied.
L. Hoffman, . . .	Tailoring, . . .	5	3	—	Fair, .	Designate water-closets, . . .	Complied.
J. Hemmendinger, . . .	Pants, . . .	8	7	—	Fair, .	Designate water-closets, . . .	Complied.
G. W. Becker, . . .	Clothing, . . .	10	7	—	Good, .	Post time notice, . . .	Complied.
The T. B. Bailey Co., . . .	Perfumery, . . .	2	2	—	Good, .	Post time notice, . . .	Complied.
Kammler Bros., . . .	Shoe fittings, . . .	3	1	—	Good, .	Post time notice, . . .	Complied.
O. W. Wishman, . . .	Window shades, . . .	3	1	—	Good, .	Post time notice, . . .	Complied.

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
BOSTON — <i>Concluded.</i>									
Holmes & Co.,	Athletic goods, . . .	4	56	—	—	Good, . .	Guard shafting, . .	Complied.	
Sterling Glove Co., . . .	Kid gloves,	12	28	—	—	Good, . .	Guard shafting, . .	Complied.	
H. Alexander,	Tailoring,	6	2	—	—	Good, . .	Post time notice, . .	Complied.	
N. E. Can Co.,	Tin cans,	19	5	—	—	Good, . .	Post time notice, . .	Complied.	
H. L. Busch,	Envelopes,	10	25	—	—	Good, . .	Post time notice, . .	Complied.	
Boston Ideas,	Publishing,	3	4	—	—	Good, . .	Post time notice, . .	Complied.	
Chas. Ambrose & Co., . . .	Tailoring,	12	8	—	—	Fair, . .	Post time notice, . .	Complied.	
I. L. King & Co.,	Tailoring,	10	15	—	—	Fair, . .	Post time notice, . .	Complied.	
P. J. Jameson,	Tailoring,	1	2	—	—	Fair, . .	Post time notice, . .	Complied.	
Parisian Mfg. Co.,	Furriers,	2	2	—	—	Fair, . .	Post time notice, . .	Complied.	
E. Peterson,	Tailoring,	5	2	—	—	Fair, . .	Post time notice, . .	Complied.	
R. L. Videtto,	Tailoring,	3	12	—	—	Fair, . .	Post time notice, . .	Complied.	
Davidson & Siegel,	Cloth caps,	1	1	—	—	Good, . .	Post time notice, . .	Complied.	
Devonshire Mackintosh Co., . . .	Mackintoshes, . . .	3	1	—	—	Good, . .	Post time notice, . .	Complied.	
Sharaf Bros.,	Neckwear,	1	19	—	—	Fair, . .	Post time notice, . .	Complied.	
Heymann & Co.,	Ladies' waists, . . .	—	12	—	—	Fair, . .	Post time notice, . .	Complied.	
M. I. Cohen,	Cloth caps,	3	3	—	—	Fair, . .	Post time notice, . .	Complied.	
Geo. S. Leeds,	Bonnet frames, . . .	1	4	—	—	Fair, . .	Post time notice, . .	Complied.	
John Reardon,	Upholstery,	7	7	—	1	Good, . .	Post time notice, . .	Complied.	
							Certificate for minor; post time notice.		
David Clapp & Son,	Printing,	7	—	—	1	Good, . .	Post time notice, . .	Complied.	
J. J. Arakelyan,	Printing,	12	3	—	—	Good, . .	Post time notice, . .	Complied.	

Tileston & McNamara,	Shoes, . . .	28	12	-	1	Good, .	Post time notice,	. . .	Complied.
M. T. Sheahan, . . .	Advertising, . .	2	4	-	-	Good, .	Post time notice,	. . .	Complied.
J. E. Carlton, . . .	Woven wire mat- tresses.	7	3	-	-	Good, .	Post time notice,	. . .	Complied.
J. P. West, . . .	Cotton buffs,	5	20	-	-	Good, .	Post time notice,	. . .	Complied.
FRAMMINGHAM.									
Bay State Mfg. Co, . .	Leather novelties,	9	4	-	-	Good, .	Post time notice,	. . .	Complied.
Conant Rubber Co., . .	Rubber goods,	9	-	-	-	Good, .	Guard rollers, .	. . .	Complied.
Rival Brass Co., . . .	Plumbing supplies,	40	-	-	1	Good, .	Post time notice,	. . .	Complied.
HOPKINTON.									
Crooks, Root & Co., . .	Boots and shoes, .	155	45	-	-	Good, .	Certificate for minor,	. . .	Complied
Woodville Shoe Co, . .	Boots and shoes, .	67	8	-	2	Good, .	Post time notice; certificate for minor.	. . .	Complied.
HOLLISTON.									
John Clancy, . . .	Boots and shoes, .	47	8	-	1	Good, .	Post time notice,	. . .	Complied.
C. F. Driscoll, . . .	Boots and shoes, .	25	5	-	-	Good, .	Post time notice,	. . .	Complied.
MARLBOROUGH.									
Marlborough Steam Laundry,	Laundry, . . .	7	8	-	2	-	Post time notice; certificate for minor.	. . .	Complied.
City Bookbindery, . . .	Book binding,	3	2	-	-	-	Post time notice,	. . .	Complied.
MILFORD.									
Milford Shoe Co., . . .	Shoes, . . .	105	70	-	18	Good, .	Post time notice,	. . .	Complied.
Newhall & Buckley, . .	Shoes, . . .	15	17	-	-	Good, .	Post time notice,	. . .	Complied.

DISTRICT NO. 2—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
MEDWAY.							
Cole, Senior & Co.,	Cassimeres,	66	9	—	Good,	Post time notice,	Complied.
Stone Mill Co.,	Hat wire,	2	2	—	Good,	Post time notice,	Complied.
A. M. Smith,	Boots and shoes,	139	6	1	Good,	Post time notice,	Complied.
NATICK.							
C. J. Littlefield & Co.,	Shoes,	26	9	—	Good,	Post time notice,	Complied.
P. J. Doyle,	Shoes,	10	4	—	Good,	Guard belt; post time notice,	Complied.
E. Dowd, Jr.,	Shoes,	9	—	—	Good,	Guard set screw,	Complied.
Wm F. Pfeiffer,	Shoes,	57	8	1	Good,	Certificate for minor,	Complied.
K. G. Drury,	Shirts,	2	18	1	Good,	Guard shafting; post time notice; certificate for minor.	Complied.
NEEDHAM.							
Union Cycle Mfg. Co.,	Cycles,	100	—	1	Good,	Post time notice,	Complied.
SOUTHBOROUGH.							
Cordaville Woolen Co.,	Woolen blankets,	35	30	1	Good,	Certificate for minor,	Complied.
WELLESLEY.							
R. C. Sullivan,	Shoddy,	16	12	—	Good,	Guard crank,	Complied.
Bishop's Paper Mill,	Paper,	21	3	—	Good,	Box main driving belt and belts to Gordon engines.	Complied.
Billings & Clapp,	Chemicals,	12	5	—	Good,	Post time notice,	Complied.

REPORT OF INSPECTOR MULLEN.

SIR:—Pursuant to your instructions, and in compliance with your order to submit a tabulated report of duty performed during the past year, the status of factories and workshops, their condition, number employed, and the enforcement of the various laws under the supervision of this department, I beg leave to state as follows:—

I have not found any case where the conditions of any establishment visited had to be changed. The ventilation and sanitary arrangements were found to be in every particular comfortable and satisfactory.

But few orders for guarding machinery have been issued, owing to the fact that employers see the necessity for so doing, and this obviates to some extent the sending of orders to comply with the law in this respect.

In regard to the employment of children under thirteen years of age, also between the ages of fourteen and sixteen, the number has been comparatively few, and for such as have been found certificates have in all cases been provided.

I have had no complaints of the nonpayment of employees under the weekly payment law.

Two fatal elevator accidents have occurred in my district, both victims being persons about eighteen years of age. These accidents were quite similar, yet happening in different establishments. In this matter I wish to repeat what I have said in my former reports, that more care should be used by those operating elevators; this would lessen the number of fatalities and the public would feel more secure.

Time tables have been posted wherever orders have been sent requiring this to be done.

The inspection of bowling alleys resulted in the finding of boys under the prescribed age, without certificates, who were employed in setting up ten-pins; and in these cases the employers were notified to dispense with such as were employed contrary to law; said notification being in every instance complied with.

The inspection of the heating of street railway cars, which began Nov. 1, 1895, and ended in March, 1896, met with very many obstacles, owing to the fact that the methods used for heating the cars were altogether new, and the system and modes had to be carefully looked into. The duties attending this branch of inspection were arduous; being a matter of grave importance to the general public, it necessitated careful attention to see that the law was satisfactorily adhered to. Taking into consideration the

number of cars operated and the meagre facilities for heating them, very few complaints were made, and those were of a trivial character and immediately remedied.

Under a special order I inspected the several bakeries located in my district, to ascertain their condition. A report relating to these establishments was made, and legislative enactments have been provided governing the inspection of bakeries throughout the State.

The increase of establishments of various kinds entails a vigorous and careful inspection, requiring every energy for this increased field of duty. The opening of new fields of employment is constantly going on, and such additions make it incumbent to be active and diligent.

Summary.

Number of inspections made,	293
Number of orders issued,	45
Number of compliances,	45
Number of children under thirteen,	1
Number of children between fourteen and sixteen,	1
Number of males employed,	3,828
Number of females employed,	1,006
Total number employed,	4,834

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
BOSTON.							
James P. Boyle,	Cigars,	30	10	—	Good,	Post time tables,	Complied.
J. Watchmaker,	Overalls,	7	5	—	Fair,	Post time tables,	Complied.
W. Berger,	Wrappers,	7	5	—	Fair,	Post time tables,	Complied.
George A. Odiorne Co.,	Duck coats,	3	8	—	Good,	Post time tables,	Complied.
J. E. Mulchay,	Keys,	2	—	1	Fair,	Procure certificate,	Complied.
R. Solomon,	Dresses,	1	4	—	Fair,	Post time table,	Complied.
Goodwin & Co.,	Duck coats,	1	5	—	Good,	Post time table,	Complied.
H. S. Lombard,	Jackets,	7	2	—	Good,	Post time table,	Complied.
George Peavey,	Overalls,	2	1	—	Fair,	Post time table; procure certificate,	Complied.
J. P. Sheehan,	Duck coats,	3	6	—	Good,	Post time table,	Complied.
Louis Kaplan,	Pants,	4	6	—	Fair,	Post time table; provide water-closet.	Complied.
C. W. White,	Elastic goods,	40	45	—	Good,	Post time tables,	Complied.
J. & J. W. Marshall,	Slippers,	70	15	—	Fair,	Post time tables,	Complied.
Clarke & Firman,	Boots and shoes,	30	10	—	Fair,	Post time table,	Complied.
Vincesrio Carlo,	Hats,	3	2	—	Fair,	Post time table,	Complied.
Sames & Simon,	Wrappers,	4	2	—	Fair,	Post time table,	Complied.
Burnce & Webb,	Mackintoshes,	2	2	—	Fair,	Post time table,	Complied.
The Putnam Co.,	Metallic bedding,	50	16	—	Good,	Post time tables,	Complied.
Harvard Rubber Co.,	Mackintoshes,	6	4	—	Fair,	Post time table,	Complied.
The National Casket Co.,	Undertakers,	6	2	—	Good,	Post time table,	Complied.
C. B. Swift,	Upholstering,	3	1	—	Good,	Post time table,	Complied.

DISTRICT No. 3 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Under 14.		14 to 16.			
		Males.	Females.				
BOSTON — Concluded.							
F. S. Snyder,	Upholstering,	4	2	—	Good,	Post time table,	Complied.
G. S. Mansfield,	Upholstering,	2	1	—	Fair,	Post time table,	Complied.
Mrs. J. B. Thomas,	Dresses,	—	3	—	Good,	Post time table,	Complied.
C. M. Chase,	Magical,	3	2	—	Good,	Post time table,	Complied.
Boston Blacking Co.,	Blacking,	13	3	—	Fair,	Post time table,	Complied.
Standard Co.,	Egg beaters,	5	7	—	Fair,	Post time table,	Complied.
F. Feldman,	Ladies' garments,	2	2	—	Fair,	Post time table,	Complied.
Morris Gilstein,	Vests,	25	25	—	Fair,	Post time table,	Complied.
I. Freidman,	Pants,	30	30	—	Fair,	Post time table,	Complied.
T. F. Hussey,	Mattresses,	2	2	—	Fair,	Post time table,	Complied.
Webster, Clifford & Co,	Mattresses,	7	14	—	Fair,	Post time table,	Complied.
Fulton Mattress Co.,	Mattresses,	1	6	—	Fair,	Post time table,	Complied.
H. J. Wilkins,	Preserves,	4	16	—	Fair,	Post time table,	Complied.
M. E. Paul,	Perfumery,	1	3	—	Fair,	Post time table,	Complied.
William Beeching,	Corks,	4	2	—	Fair,	Post time table,	Complied.
F. K. Kingman,	Duck coats,	2	3	—	Fair,	Post time table,	Complied.
Hoyt & Batchelder,	Awnings,	14	15	—	Fair,	Post time table,	Complied.
N. E. Decorative Co.,	Flags,	4	5	—	Fair,	Post time table,	Complied.
A. G. Bradish,	Tub fasteners,	6	5	—	Fair,	Post time table,	Complied.
Shawmut Harness Co.,	Harness,	10	—	—	Fair,	Guard set screw,	Complied.
George Brown & Co.,	Mattresses,	9	3	—	Fair,	Post time table; provide water-closet,	Complied.
J. S. Crowley,	Springs,	3	—	—	Fair,	Guard fly wheel,	Complied.

REPORT OF INSPECTOR SILLARS.

SIR:—I respectfully submit herewith my annual tabulated report of inspections made in District No. 4 during the year just closed.

I have carefully attended to the guarding of machinery, reducing, I hope, the danger of accidents to employees to a minimum; and I am glad to report that only one fatal accident has occurred in my district during the year. The heating of street cars during the cold weather was faithfully attended to. I inspected a number of bake-houses, with, I think, satisfactory results. I have carefully looked after the employment of boys in bowling alleys. My inspections and action on these special matters were reported to you at the time, and the reports show good results. During my regular inspections I found only one child under thirteen years of age employed in a factory, and the child was promptly sent home, upon calling the attention of the manager to the matter. I at first found some opposition to the enforcement of the weekly payment law, being compelled to complain in court against one establishment; they are now complying with the law. With the exception of two elevators, the others in my district were found in good condition.

I have had no great difficulty in enforcing the inspection laws entrusted to me during the year; and I am glad to say that I have received considerate and courteous treatment alike from the employers and employees with whom I have been brought in contact.

Summary.

Factories inspected,	400
Orders issued,	322
Compliances,	317*
Total number of persons employed,	13,288
Males employed,	10,698
Females employed,	2,433
Children between thirteen and fourteen years employed,	2
Children between fourteen and sixteen years employed,	155
Elevators inspected,	29
Factories closed or moved,	26

* Four recent orders.

DISTRICT No. 1, MALCOLM SILLARS, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
SOUTH BOSTON.									
City Iron Foundry Co.,	Castings,	20	—	—	—	Poor,	Cover set screws; rail opening; re-pair privy.	Complied.	
N. E. Felt Roofing Works,	Felt roofing,	7	—	—	—	Fair,	Guard gears,	Complied.	
N. E. Dredging Co.,	Dredging machines.	15	—	—	—	Fair,	Guard crank of engine,	Complied.	
Consolidated Electric Mfg. Co.,	Electric supply,	25	—	—	—	Fair,	Post time tables; cover set screw,	Complied.	
National Lead Co.,	Pipe lead,	6	—	—	—	Good,	Cover set screws; guard main belt; box coupling; guard fly wheel.	Complied.	
L. Speidell & Co.,	Bottling,	9	—	—	—	Good,	File certificate; post time table,	Complied.	
Compressed Fiber Co.,	Fiber specialties,	9	—	—	—	Fair,	Guard gears; guard belt; post time table.	Complied.	
Standard Iron and Steel Co.,	Wrought-iron castings	25	—	—	—	Fair,	Cover set screws,	Complied.	
Massachusetts Chemical Co.,	Chemicals,	6	—	—	—	Fair,	Guard engine,	Complied.	
N. Y. N. H. & H. R. R. Repairs,	Iron repairing,	150	—	—	—	Fair,	Guard belts and gears,	Complied.	
N. Y. N. H. & H. R. R. Painting,	Painting,	142	—	—	—	Fair,	Cover set screws; guard belts,	Complied.	
Robert Harrison,	Wagons,	23	—	—	—	Fair,	Cover set screws,	Complied.	
Farewell Bros.,	Kindlings,	45	—	—	—	Fair,	Post time table; cover set screws,	Complied.	
Franklin Steel Works,	Toe calks,	5	—	—	—	Fair,	Guard fly wheel,	Complied.	
G. H. Lincoln & Co.,	Iron castings,	27	—	—	—	Fair,	Post time table,	Complied.	
M. Dwyer,	Wagons,	5	—	—	—	Fair,	Guard band saw,	Complied.	

H. O. Lothrop & Co.,	Ferrules,	9	-	-	Poor,	Repair privy,	Complicated.
Reversible Rivet Co.,	Rivets,	10	-	-	Good,	Guard motor; cover set screws,	Complicated.
C. Wold & Co.,	Bicycles,	17	-	-	Fair,	Guard gears,	Complicated.
Baker Mfg. Co.,	Radiators,	4	-	-	Fair,	Box belt; guard moulder,	Complicated.
James S Newell & Co.,	Machinery,	8	1	-	Fair,	Post time table; file certificate,	Complicated.
P. Lally & Co.,	Wagons,	10	-	-	Fair,	Cover set screws; guard couplings,	Complicated.
Baxter, Stonner & Schlockberger,	Cut soles,	20	-	-	Good,	Post time table,	Complicated.
George Miles,	Boilers,	40	-	-	Fair,	Guard gears,	Complicated.
Walworth Mfg. Co. (pipe shop),	Nipples,	27	-	-	Good,	Guard gears; guard fly wheel,	Complicated.
O. M. Whitman & Co.,	Coolers,	6	-	-	Fair,	Cover set screws,	Complicated.
Boston Shoe Tool Co.,	Cutters,	29	-	-	Fair,	Guard belt and crank of engine,	Complicated.
Smith, Carlton Iron Co.,	Iron work,	50	-	-	Fair,	Guard gears; rail the platform; guard main belt.	Complicated.
Jordan, Marsh & Co. (storage),	Storage and repair of furniture.	43	4	-	Fair,	Procure certificate,	Complicated.
Watson & Waitt,	Stairs,	6	-	-	Good,	Guard engine; cover set screws; guard band saw.	Complicated.
James Russell & Co.,	Boilers,	35	-	-	Fair,	Guard couplings,	Complicated.
C. E. Hoyle,	Waste,	3	1	-	Poor,	Clean privy; guard stairway,	Complicated.
Daniel Russell,	Boilers,	12	-	-	Fair,	Box in gears,	Complicated.
Draper, Williams Mfg. Co.,	Oilers,	14	6	-	Good,	Cover set screws,	Complicated.
Compressed Steel Shafting Co.,	Shafting,	22	-	-	Fair,	Guard crank of engine,	Complicated.
A. O. Norton,	Jacks,	8	-	-	Good,	Cover set screws,	Complicated.
Hersey Mfg. Co.,	Meters,	75	-	-	Good,	Cover set screws,	Complicated.
O. Sheldon & Co.,	Boats,	12	-	-	Poor,	Clean and repair privy,	Complicated.
E. Trafton,	Finish,	2	-	-	Fair,	Cover set screws,	Complicated.
Fiedler Silk Mfg. Co.,	Silk finish,	15	35	-	Good,	Post time tables; designate closets; procure certificates.	Complicated.
A. & J. M. Anderson,	Bicycles,	95	-	-	Good,	Guard crank of engine; procure school certificate.	Complicated.

DISTRICT No. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
SOUTH BOSTON — <i>Concluded.</i>								
D. H. Gear & Son, . . .	Syrups, . . .	4	6	—	3	Fair, . . .	Procure certificate, . . .	Complied.
N. E. Soap Co., . . .	Soap, . . .	3	—	—	—	Poor, . . .	Repair privy, . . .	Complied.
Murry & Tregather, . . .	Engines, . . .	14	—	—	—	Fair, . . .	Post time table, . . .	Complied.
Geo. R. Swazy, . . .	Roving gans, . . .	3	—	—	—	Fair, . . .	Post time table, . . .	Complied.
Mrs. Mary A. Maceall, . . .	Laundry, . . .	1	5	—	—	Poor, . . .	Clean privy; post time table, . . .	Complied.
Dodge Iron Foundry Co., . . .	Foundry, . . .	30	—	—	—	Fair, . . .	Guard opening; guard rattler, . . .	Complied.
Harnberger Bros., . . .	Rags, . . .	15	30	—	—	Good, . . .	Post time table; guard opening; illiterate minor attend evening school.	Complied.
Wade & Reed Co., . . .	Grain elevator, . . .	22	—	—	—	Fair, . . .	Guard belt, . . .	Complied.
J. M. Bragdon & Co., . . .	Leather, . . .	10	—	—	—	Fair, . . .	Box belts; cover set screws, . . .	Complied.
Shales & May, . . .	Furniture, . . .	60	—	—	—	Good, . . .	Guard fly wheel, . . .	Complied.
Charles H. Smith & Co., . . .	Boots and shoes, . . .	23	8	—	—	Fair, . . .	Post time table, . . .	Complied.
E. P. Barrett Mfg. Co., . . .	Metals, . . .	9	—	—	—	Fair, . . .	Guard fly wheel, . . .	Complied.
Boston Plate Glass Co., . . .	Glass, . . .	54	—	—	—	Fair, . . .	Guard fly wheel, . . .	Complied.
Stiles & Winslow, . . .	Morocco, . . .	70	—	—	—	Fair, . . .	Guard belt; post time table, . . .	Complied.
Moore & Wyman, . . .	Elevators, . . .	40	—	—	—	Good, . . .	Post time table, . . .	Complied.
Cunningham Iron Co., . . .	Boilers, . . .	30	—	—	—	Fair, . . .	Pay weekly; cover set screws; post time tables.	Complied.
Bernstein Electric Co., . . .	Electric supplies, . . .	20	70	—	—	Good, . . .	Guard crank of engine; cover set screws; guard fly wheel; post time tables.	Complied.

Boston Fire Brick Works, . . .	Fire brick, . . .	75	1	Fair, . . .	File certificate; cover set screws, . . .	Complied.
Brookline Coopers Co., . . .	Barrels, . . .	125	4	Fair, . . .	Guard crank of engine, . . .	Complied.
Bowker, Terry & Co., . . .	Marble, . . .	9	—	Good, . . .	Rail platform, . . .	Complied.
Chace & Co., . . .	Candy, . . .	61	—	Good, . . .	Procure certificate, . . .	Complied.
Suffolk Brewing Co., . . .	Beer, . . .	50	—	Fair, . . .	Guard fly wheel; guard main belt; guard platform; cover set screws, . . .	—*
Whittier Machine Co., . . .	Elevators, . . .	125	—	Fair, . . .	Guard belt; cover set screws; post time table, . . .	Complied.
Robert Bishop, . . .	Waste, . . .	29	46	Fair, . . .	Cover set screws, . . .	Complied.
Adams Bros., . . .	Waste, . . .	6	5	Fair, . . .	Cover set screws, . . .	Complied.
F. E. Attaux & Co., . . .	Dye extracts, . . .	7	—	Good, . . .	Guard fly wheel; cover set screws, . . .	Complied.
Frank Jones Brewing Co., . . .	Beer, . . .	27	—	Fair, . . .	Guard fly wheel; cover opening; guard belt, . . .	Complied.
Broadway Printing Co., . . .	Printing, . . .	3	—	Fair, . . .	Procure certificates; post time table, . . .	Complied.
Bulletin Publishing Co., . . .	News, . . .	2	1	Fair, . . .	Post time table, . . .	Complied.
J. Souther & Co., . . .	Excavators, . . .	9	—	Fair, . . .	Cover set screws, . . .	Complied.
James Newell & Co., . . .	Machinery, . . .	9	1	Fair, . . .	Procure certificate; post time table, . . .	Complied.
Bernstein Electric Co., . . .	Electric supplies, . . .	17	47	Good, . . .	Guard fly wheel; post time table; guard openings, . . .	Complied.
Standard Sugar Refining Co., . . .	Sugar, . . .	600	—	Fair, . . .	Guard gears; cover set screws, . . .	Complied.
Walworth Mfg. Co., . . .	Iron work, . . .	660	—	Good, . . .	Guard opening; cover set screws; post time table; guard gears on tapping machines, . . .	—†
Ipswich Mills, . . .	Stockings, . . .	10	204	Fair, . . .	Box up shafting; remove barrel of kerosene, . . .	Complied.
DORCHESTER.						
Currier & McFawn, . . .	Finish, . . .	15	—	Poor, . . .	Provide privy; box in belts, . . .	Complied.
Dorchester Pottery Works, . . .	Pottery, . . .	4	—	Fair, . . .	Guard engine; cover set screws, . . .	Complied.
Steutervant Mill Co., . . .	Mill stones, . . .	10	—	Good, . . .	Guard engine, . . .	Complied.
Beacon Lithograph Works, . . .	Lithographs, . . .	46	5	Good, . . .	Guard main belt, . . .	Complied.

* Not complied.

† Recent order.

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
DORCHESTER — <i>Concluded.</i>							
Eagle Paper Mill,	Paper,	43	16	—	Fair,	Cover set screws,	Complied.
Mason Regulator Co.,	Regulators,	23	—	—	Good,	Guard gears,	Complied.
Coffin Valve Co.,	Valves,	30	—	—	Fair,	Pay weekly; post time table,	Complied.
A. T. Stearns Lumber Co.,	Finish,	175	—	1	Good,	Box belts; guard sash machine; guard band saw; guard head machine; rail stairway; cover set screws; file certificate for boy.	Complied.
McNeil Bros.,	Finish,	30	—	—	Fair,	Guard crank of engine,	Complied.
Edward Lynch,	Stairs,	15	—	—	Fair,	Cover set screws,	Complied.
Bay State Gas Co.,	Gas,	65	—	—	Fair,	Pay weekly; rail openings,	—*
EAST BOSTON.							
Bay State Mfg. Co.,	Mantles,	10	—	—	Fair,	Guard hoistway,	Complied.
J. Baetelson & Co.,	Engines,	22	—	—	Fair,	Guard crank of engine; post time table.	Complied.
Randall Fertilizer Works,	Fertilizers,	12	—	—	Fair,	Guard openings; cover couplings; guard belts.	Complied.
N. Y. & Boston Dyewood Co.,	Dye extracts,	50	—	—	Fair,	Guard fly wheel; guard crank; cover set screws.	Complied.
International Glue Co.,	Fish glue,	6	2	—	Fair,	Guard fly wheel; cover set screws; designate closets.	Complied.
George M. Porter,	Repairs,	17	—	—	Fair,	Post time table,	Complied.

N. E. Pottery Co.,	Pottery,	20	10	1	Fair,	Procure certificate,	Complied.
Benj. Clisby,	Painting,	8	—	—	Fair,	Post time table,	Complied.
Alex. McLauren,	Finish,	16	—	—	Fair,	Guard belt; cover set screws,	Complied.
Boston Forge Co.,	Axles,	62	—	—	Fair,	Guard machinery; repair privy,	Complied.
East Boston Whiting Co.,	Whiting,	11	—	—	Fair,	Cover set screws,	Complied.
Laskey & Brown,	Mantles,	6	—	—	Poor,	Cover set screws,	Complied.
Sidney Peterson & Co.,	Finish,	10	—	—	Poor,	Post time table,	Complied.
Revere Brewing Co.,	Beer,	22	—	—	Fair,	Guard engine,	Complied.
W. H. Swift & Co.,	Dye extracts,	13	—	—	Good,	Guard opening,	Complied.
F. E. Holder,	Decorated tin,	14	—	—	Fair,	Post time table,	Complied.
E. Hodge & Co.,	Boilers,	61	—	—	Poor,	Guard gears; clean privy,	Complied.
West End Power Station,	Power,	7	—	—	Good,	Guard fly wheel,	Complied.
Jewett Lumber Co.,	Finish,	220	—	—	Fair,	Pay weekly,	Complied.
M. Killilea,	Boilers,	13	—	—	Poor,	Provide privy,	—*
F. W. Gregory & Co.,	Flux,	3	—	—	Poor,	Repair privy; cover set screws,	Complied.
Boston Electric Light Co.,	Light,	10	—	—	Good,	Guard belts,	Complied.
Lockwood Mfg. Co.,	Machinery,	56	—	—	Good,	Box belt; cover set screws,	Complied.
E. P. Lewis,	Candy,	20	45	1	Fair,	Designate closets; file certificates; post time table.	Complied.
National Tube Works,	Tubing,	25	—	—	Fair,	Cover set screws,	Complied.
Thos. Hoey (Summer Street),	Nipples,	30	—	—	Fair,	Guard gears; cover set screws; post time table.	Complied.
Standard Oil Co.,	Oil cans,	24	1	—	Fair,	Post time table,	Complied.
Wm. Gilchrist,	Wagons,	12	—	—	Fair,	Cover set screws,	Complied.
C. W. York & Co.,	Kindling,	14	—	1	Fair,	Guard crank of engine; file certi- cate; guard belt.	Complied.
Davis & White,	Finish,	13	—	—	Fair,	Box in belt; cover set screws,	Complied.
Hatt Bros.,	Mantles,	10	—	—	Poor,	Box main belt,	Complied.
Frane & McPherson,	Finish,	15	—	—	Fair,	Guard band saw,	Complied.
S. T. LeBarron,	Boxes,	9	—	—	Fair,	Box in belts,	Complied.

* Recent order.

DISTRICT No. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
EAST BOSTON — <i>Concluded.</i>								
S. T. Manson & Co., . . .	Lumber, . . .	25	—	—	—	Poor, . . .	Guard fly wheel; cover set screws, .	Complied.
Atlantic Works, . . .	Machinery, . . .	300	—	—	—	Fair, . . .	Guard gears on punching machine, .	Complied.
B. & A. R.R. Elevator, . . .	Grain elevator, . . .	16	—	—	—	Fair, . . .	Guard coupling; cover set screws; guard opening.	Complied.
CHARLESTOWN.								
Wm. Litchfield, . . .	Metals, . . .	5	—	—	—	Fair, . . .	Post time table, . . .	Complied.
E. A. Gillett & Son, . . .	Felloes, . . .	16	—	—	—	Fair, . . .	Guard stairway; guard belts, . . .	Complied.
Stevens Bros., . . .	Pasted stock, . . .	2	25	—	—	Fair, . . .	Designate closets; post time table, .	Complied.
G. F. Callier, . . .	Leather, . . .	10	—	—	—	Fair, . . .	Post time table, . . .	Complied.
Furbush & Co., . . .	Sausages, . . .	32	—	—	—	Fair, . . .	Box belts; cover set screws, . . .	Complied.
Rowell, Dodge & O'Brien, . . .	Wagons, . . .	8	—	—	—	Fair, . . .	Guard engine, . . .	Complied.
J. D. Robertson, . . .	Stairs, . . .	4	—	—	—	Fair, . . .	Box up belt, . . .	Complied.
H. H. Osgood & Co., . . .	Screens, . . .	5	1	—	—	Fair, . . .	Box belt; post time table, . . .	Complied.
Natl. Tufts, . . .	Meters, . . .	57	—	—	—	Good, . . .	Illiterate minor attend evening school.	Complied.
Artistic Carving Co., . . .	Mantles, . . .	32	—	—	—	Fair, . . .	Guard circular saw, . . .	Complied.
H. E. Wright & Son., . . .	Cans, . . .	30	—	—	—	Fair, . . .	Post time table, . . .	Complied.
Enterprise Laundry Co., . . .	Laundry, . . .	1	24	—	1	Good, . . .	Procure certificate; post time table, .	Complied.
David P. Page, . . .	Finish, . . .	20	—	—	—	Fair, . . .	Repair rail on engine; guard belt, .	Complied.
Osgood & Hart, . . .	Iron castings, . . .	75	—	—	—	Fair, . . .	Guard machinery, . . .	Complied.
Munroe & Conoley, . . .	Laundry, . . .	7	7	—	—	Fair, . . .	Guard belt; designate closets, . . .	Complied.
Geo. H. Wood & Co., . . .	Cement, . . .	3	2	—	—	Good, . . .	Designate closets; post time table, .	Complied.

Howard Mfg. Co.,	Webbing,	22	124	—	3	Good,	Cover set screws; post time table,	Complied.
Raymond Bicycle Co.,	Bicycles,	20	13	—	1	Poor,	Repair privy; file certificate,	Complied.
F. M. Buckley & Co.,	Bicycle saddles,	3	—	—	—	Good,	Cover set screws,	Complied.
Enterprise Co.,	News,	7	3	—	1	Good,	Procure certificate,	Complied.
Hoosac Tunnel Elevator,	Elevator,	14	—	—	—	Fair,	Guard pulleys; guard belt; cover set screws,	Complied.
Superior Fast Black and Color Co.,	Dyeing,	26	4	—	—	Good,	Cover gears,	Complied.
S. Wing & Co.,	Photo. goods,	5	4	—	—	Good,	Cover set screws,	Complied.
Cutter & Cutter,	Trunks,	25	6	—	—	Poor,	Repair privy,	Complied.
Powers & Co.,	Elevator,	6	—	—	—	Fair,	Cover set screws,	Complied.
Parker & Palmer Co.,	Veneers,	45	—	—	—	Fair,	Repair privy; guard set screws,	Complied.
Orpin Bros.,	Desks,	75	—	—	—	Fair,	Guard engine,	Complied.
G. M. Derry,	Boxes,	4	—	—	—	Fair,	Rail stairway,	Complied.
Hinkel Brewing Co.,	Bottling,	9	—	—	—	Good,	Guard fly wheel,	Complied.
Hatch & Farnum,	Cabinet work,	24	—	—	—	Poor,	Repair privy,	Complied.
India Extract Co.,	Extracts,	5	—	—	—	Good,	Repair gate to elevators,	Complied.
A. G. Van Nostrand,	Beer,	75	—	—	—	Fair,	Guard belt; rail platform; guard gears; cover set screws.	Complied.
DeEste, Seely Co.,	Plumbers' supplies,	40	—	—	1	Good,	File certificate,	Complied.
U. S. Baking Co.,	Crackers,	48	111	—	4	Good,	Box belts; file two certificates,	Complied.
Geo. G. Fox Co.,	Pies,	35	5	—	—	Fair,	Designate closets; post time table; cover set screws.	Complied.
CHELSEA.								
M. A. Nash Mfg. Co.,	Toys,	—	6	—	—	Poor,	Repair privy; post time table,	Complied.
Samuel Cabot,	Lamp-black,	30	—	—	1	Fair,	File certificate; post time table,	Complied.
J. W. Stickney & Co.,	Whiting,	17	—	—	—	Fair,	Box belts,	Complied.
S. J. Meaney,	Soap,	3	—	—	—	Fair,	Guard opening,	Complied.
Boston Blacking Co.,	Blacking,	9	1	—	—	Fair,	Guard gears; cover set screws,	Complied.
Anderson Bros.,	Baskets,	6	2	—	1	Fair,	File certificate; post time table,	Complied.
Vulcan Mfg. Co.,	Iron beds,	10	—	—	—	Poor,	Clean privy; box belt,	Complied.

DISTRICT No. 4 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CHELSEA — <i>Concluded.</i>								
Sweet Car Wheel and Foundry Co.	Iron castings,	27	—	—	—	Fair,	Cover set screws; provide a new rope for elevator.	Complied.
Fred. Theise,	Baskets,	28	7	—	1	Fair,	File certificate; post time table,	Complied.
Estate of L. S. Slade,	Cigars,	—	2	—	—	Fair,	Post time table,	Complied.
J. M. Mason,	Machinery,	8	—	—	—	Fair,	Post time table,	Complied.
A. E. Russell,	Machinery,	3	—	—	—	Fair,	Guard engine; post time table,	Complied.
Forbes Lithograph Co.,	Lithographs,	320	125	—	20	Fair,	Guard press; post time table; cover set screws.	Complied.
L. K. Husted,	Laundry,	8	27	—	—	Fair,	Box belt; post time table,	Complied.
L. & B. St. R. R. Co.,	Power,	12	—	—	—	Fair,	Guard privy by rail,	Complied.
J. D. Pike & Co.,	News,	4	1	—	—	Poor,	Repair privy; post time table,	Complied.
H. Mason & Son,	News,	3	2	—	—	Fair,	Post time table,	Complied.
Chas. F. Kelly & Co.,	Shoes,	20	10	—	1	Fair,	File certificate, post time table,	Complied.
Wales Mfg. Co.,	Handles,	8	6	—	—	Fair,	File certificate,	Complied.
Standard Elastic Fabric Co.,	Webbing,	3	2	—	1	Poor,	Repair privy; file certificate,	Complied.
Anderson Bros.,	Baskets,	4	1	—	1	Poor,	Repair privy,	Complied.
D. W. Banard & Co.,	Laundry,	2	3	—	—	Good,	Guard engine; post time table,	Complied.
Walker Bros.,	Dyeing,	8	—	—	1	Fair,	Post time table,	Complied.
Magee Furnace Co.,	Stoves,	250	—	—	—	Fair,	Guard belt; guard fly wheel; cover set screws.	Complied.
Geo. A. Drysdale,	Iron beds,	4	4	—	1	Poor,	Provide seats; repair privy; post time table; file certificate.	Complied.

A. D. Black,	Beating,	6	—	—	Fair,	Guard engine,	Complied.
Chelsea Moulding Co.,	Mouldings,	21	—	—	Good,	Guard band saw,	Complied.
Chelsea Carpet Cleaning Co.,	Beating,	5	—	—	Fair,	Box belt; guard opening,	Complied.
Mass. Electric Supply Co.,	Finish,	17	—	—	Fair,	Guard fly wheel; cover circular saw,	Complied.
John L. Morgan,	Webbing,	1	7	—	Good,	File certificate,	Complied.
Boston Gore & Web Mfg. Co.,	Webbing,	18	8	—	Good,	Post time table,	Complied.
Chelsea Foundry Co.,	Weights,	17	—	—	Fair,	Guard rattle; cover set screws,	Complied.
Mystic Laundry Co.,	Laundry,	—	2	—	Fair,	Post time table,	Complied.
Lynch Bros.,	Wagons,	16	—	—	Good,	Guard elevator well,	Complied.
Mt. Washington Spring Co.,	Bottling,	14	—	—	Fair,	Send child under thirteen years out; procure certificate.	Complied.
Am. Circular Loom Co.,	Conduits,	11	41	—	Good,	Designate closets; post new time tables.	Complied.
White, Holean & Co.,	Furniture,	45	—	—	Fair,	Cover set screws,	Complied.
Austin & Graves,	Crackers,	15	5	—	Fair,	Cover set screws; post time tables,	Complied.
Atwood & McManus,	Boxes,	40	—	—	Fair,	Guard belts,	Complied.
A. S. Rogers Shoe Co.,	Shoes,	84	83	—	Fair,	Procure certificate,	Complied.
Gay Head Clay and Brick Co.,	Brick,	30	—	—	Fair,	Guard coupling; guard belts,	Complied.
Geo. D. Emery,	Mahogany,	79	—	—	Fair,	Guard air pump,	Complied.
T. Martin & Bro. (Dept. A),	Webbing,	25	150	—	Good,	Cover set screws,	Complied.
T. Martin & Bro. (Dept. B),	Webbing,	16	71	—	Good,	Cover set screws,	Complied.
W. T. Cardy & Co.,	Paper boxes,	5	28	—	Good,	Cover set screws,	Complied.
T. H. Buck & Co.,	Finish,	31	—	—	Fair,	Guard crank of engine,	Complied.
Newell Bedding Co.,	Bedding,	6	3	—	Fair,	Post time table,	Complied.
Revere Rubber Co.,	Rubber goods,	557	42	—	Good,	Post time table,	Complied.
J. Arthur Towle,	Shoes,	35	15	—	Fair,	Designate closets; post time table,	Complied.
REVERE.							
Columbia Lithia Co.,	Bottling,	20	—	—	Fair,	Post time table; cover set screws,	Complied.
Boston Fire Proofing Co.,	Fire proofing,	52	—	—	Fair,	Guard fly wheel; guard gears; guard belt.	Complied.

DISTRICT No. 5.

LEWIS F. F. ABBOTT, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
BROOKFIELD.							
Geo. H. Burt & Co.,	Boots and shoes, .	165	60	—	Good, .	Post time table, Procure school certificate ; post time table.	Complied. Complied.
Brookfield Paper Box Co., .	Boxes,	8	17	—	Good, .		
CLINTON.							
Clinton Worsted Co.,	Suitings,	100	39	—	Good, .	Post time table ; designate water-closets.	Complied.
FITCHBURG.							
Eastern Mfg. Co.,	Shirts,	4	26	—	Good, .	Procure school certificate, .	Complied.
Nockegee Mill,	Print cloth,	94	131	—	Good, .	Post time tables,	Complied.
Fitchburg Mfg. Co.,	Dress goods,	92	83	—	Good, .	Post time table,	Complied.
W. A. Gamo,	Wood boxes,	12	—	—	Good, .	Keep elevator gates closed, .	Complied.
GRAFTON.							
Saunders Cotton Mill,	Sheetings,	85	55	—	Good, .	Procure school certificate, .	Complied.
GARDNER.							
John A. Dunn,	Chairs,	115	—	—	Good, .	Pay according to chapter 438, Acts of 1895.	— *
Kelley Bros.,	Baby carriages,	45	—	—	Good, .	Procure school certificate, .	Complied.
Central Oil and Gas Stove Co., .	Stoves,	257	30	—	Fair, .	Additional water-closet for females,	Complied.

LANCASTER. Dearshorn Factory, . . .	Combs, . . .	35	10	—	2	Fair, . . .	Post time table, . . .	Complied.
	White flannel, . . .	75	37	—	4	Good, . . .	Guard fly wheel and crank; procure school certificate.	Complied.
LEICESTER. Olney's Mill, . . .	Horn goods, . . .	100	10	—	11	Good, . . .	Post time table, . . .	Complied.
	Print cloth, . . .	52	103	—	9	Good, . . .	Stop employment of women and minors overtime.	Complied.
MILLBURY. Millbury Cotton Mill, . . .	Boxes, . . .	35	20	—	7	Good, . . .	Procure school certificate, . . .	Complied.
	Satinets, . . .	88	45	—	4	Good, . . .	Guard fly wheel and crank, . . .	Complied.
NORTH BROOKFIELD. E. & A. H. Batcheller Co., . . .	Boxes, . . .	6	19	—	5	Good, . . .	Remove two set screws; post time table.	Complied.
	Knit goods, . . .	3	12	—	—	Good, . . .	Post time table, . . .	Complied.
OXFORD. Thayer Woolen Co., . . .	Woolen yarn, . . .	7	2	—	—	Good, . . .	Post time table, . . .	Complied.
SPENCER. Nipmuc Paper Box Co., . . .								
WARREN. Bradford Yarn Co., . . .								

* Not complied.

DISTRICT No. 5—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WESTBOROUGH.								
Cycle Improvement Co., . . .	Bicycle supplies, . . .	47	—	—	3	Good, . .	Post time table, . .	Complied.
T. W. Hines & Co., . . .	Straw goods, . . .	60	140	—	—	Good, . .	Post time table, . .	Complied.
Humber & Co., Amer. Limited, . .	Bicycles, . . .	456	8	—	3	Good, . .	Post time table, . .	Complied.
WINCHENDON.								
M. E. Convers & Co., . . .	Reed chairs, . . .	78	42	—	4	Good, . .	Post time table, . .	Complied.
N. E. Baby Carriage Co., . . .	Toys and carriages, . .	25	2	—	—	Good, . .	Post time table, . .	Complied.
WORCESTER.								
Worcester Fennell Co., . . .	Press work, . . .	73	2	—	—	Good, . .	Post time table, . .	Complied.
I. Wilson, . . .	Boys' suits, . . .	10	6	—	—	Good, . .	Post time table, . .	Complied.
A. Isreal, . . .	Underwear, . . .	4	14	—	—	Good, . .	Post time table, . .	Complied.
The Parisian Wrapper Co., . . .	Wrappers, . . .	7	28	—	—	Good, . .	Post time table, . .	Complied.
I. Goldberg, . . .	Pants, . . .	9	9	—	—	Good, . .	Post time table, . .	Complied.
C. M. Rodgers, . . .	Crackers, . . .	35	10	—	—	Good, . .	Post time table, . .	Complied.
F. A. Quimby, . . .	Heels, . . .	2	12	—	—	Good, . .	Post time table, . .	Complied.
Worcester Cycle Mfg. Co., . . .	Bicycles, . . .	80	—	—	1	Good, . .	Guard fly wheel; post time table, . .	Complied.
F. H. Perkins & Co., . . .	Shoes and welts, . . .	17	38	—	—	Good, . .	Post time table, . .	Complied.
Maso-Risch Vocalion Co., . . .	Organs, . . .	40	1	—	—	Good, . .	Set up guides to elevator; provide new cable.	Complied.

Williams Bros., . . .	Boxes, . . .	23	22	—	—	Good, . .	Remove set screw, . . .	Completed.
Hopeville Mfg. Co., . .	Satinets, . . .	50	25	—	—	Good, . .	Procure school certificate, . . .	Completed.
N. E. Shirt and Overall Co., . .	Shirts, . . .	2	5	—	—	Poor, . .	Provide water-closet for females, . .	Moved out.
Worcester Envelope Co., . .	Envelopes, . . .	8	37	—	—	Good, . .	Post time table, . . .	Completed.
Domestic Laundry, . . .	Laundry, . . .	7	19	—	—	Good, . .	Post time table; designate water-closet.	Completed.
Bay State Laundry, . . .	Laundry, . . .	3	9	—	—	Good, . .	Repair water-closet, . . .	Completed.
McKenzie-Howard Shoe Co., . .	Shoes and welts, . .	19	6	—	—	Poor, . .	Provide water-closet for females; open door to bridge.	Completed.
J. B. Bertell, . . .	Cooked meats, . . .	11	—	—	—	Poor, . .	Repair water-closet, . . .	Completed.
William Hyland, . . .	Mattresses, . . .	24	11	—	—	Good, . .	Remove key in end of shaft, . . .	Completed.

Summary.

Number of factories inspected,	423
Number of buildings inspected,	54
Number of elevators inspected,	152
Number of orders issued,	72
Number of compliances,	70
Better egress needed reported to Mr. Dyson,	5
Total number of employees,	50,345
Number of males over sixteen years of age,	31,963
Number of females over sixteen years of age,	16,477
Number of children between fourteen and sixteen years of age,	1,892
Number of children under fourteen years of age (vac- ation certificates),	13

Visited 139 factories, to investigate accidents and complaints, and in relation to compliance with the laws. Visited and reported upon 31 bakeries and 11 bowling alleys, situated in Worcester, Fitchburg, Leominster, Clinton, Webster and Westborough. Quite a number of factories have been closed for a time during the past season, which has necessitated a second visit to make an inspection.

REPORT OF INSPECTOR TIERNEY.

SIR:—In addition to the tabulated report which is enclosed herewith I desire to make a statement in regard to the working of the different laws which I am called upon to enforce.

Sections 14 and 16 of chapter 508 of the Acts of the year 1894, in relation to the employment of children, call for a great deal of time and care on the part of an inspector. The overseers and foremen of the different workshops and factories in this district have their orders from the superintendent not to employ children unless they have proper certificates. However, quite frequently I find children under sixteen years of age employed in workshops and factories without proper certificates, and, as I am required by law to give notice in writing to the parties concerned that I shall proceed against them unless they comply with the law, this notice has the desired effect, and the certificates are procured or the children discharged. Rarely are children under fourteen years of age found employed in this district, the disposition being to employ over that age rather than under.

The evening schools of this district last season were well attended and bid fair to have as good attendance this season.

Relating to sanitary appliances, the past year of inspection has been a notable one for the improved conditions of sanitary and

ventilation arrangements in the different workshops and factories of this district. I have given the strictest attention to putting in new water-closets with flush bowls and automatic tanks, also to connect the water-closets with the sewers, and have had other closets remodelled which required improved conditions, and made as clean as practicable. I can safely say that the sanitary arrangements in the manufacturing and mercantile establishments of this district are in first-class condition, with improvements still going on.

The elevators in my district I have had placed in good condition as regards safety appliances, new cables, gears, automatic gates, trap doors, etc. In looking over the different elevators in the large manufacturing establishments in my district, I find a great many of them have the elevator drum on the top floor, directly over the elevator well. Drums placed in this position I consider very dangerous, as the continued working of the drum on the key slot causes the drum to burst and fall down the well, and kill or cripple for life the elevator man. In all cases of this kind I have ordered a flooring put in under the drum, to take in the entire length and width of the elevator well, so that, in case of accident to said drum, the flooring will arrest the same and prevent any one from getting hurt. This arrangement has met the approval of the superintendents of the different establishments in this district.

I have found but few instances of fastening of outside doors during the hours of labor, except by spring catches or bolts readily operated from the inside.

The guarding of gears, set screws and other dangerous parts of machinery I have found to require constant supervision, especially in the smaller workshops and factories, less care being exercised in that respect than in the larger ones; and in those using old machinery there is often a lack of the safeguards found to be necessary and applied by the manufacturers of the new.

The fifty-eight-hour law for the benefit of women and minors is as a general thing well observed by the manufacturers, and I must say there are no better running mills as regards to running on the time posted in the different rooms than are found in this district at the present time; in fact, it is the desire of the manufacturers to comply with all the laws when explained to them by the inspector, and I have been told by them that it was a good thing that the State had officers to see after such things.

In conclusion, I would bear testimony to the spirit of courtesy shown in nearly every instance by employers, and the readiness with which suggestions have been received as well as the promptness with which orders given have been carried out, the greater

number realizing that the inspectors, who are daily visiting manufacturing establishments and making a study of dangerous machinery, elevators, etc., are in better position to determine what precautions are requisite than are those whose observations are largely confined to their own buildings, and whose familiarity with their own machinery has bred contempt for its dangers.

Summary.

Number of inspections made,	. . . . .	500
Number of orders issued,	. . . . .	260
Number of orders complied with,	. . . . .	260
Number of children between fourteen and sixteen,	. . . . .	3,000
Number of children between thirteen and fourteen,	. . . . .	5
Number of males employed,	:	27,200
Number of females employed,	. . . . .	23,700
		<hr/>
		54,925

DISTRICT No. 6,

JOHN F. TIERNEY, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
ATTLEBOROUGH.									
Marble, Smith & Forester, .	Jewelry, .	14	8	—	2	Good, .	Post time notice; put railing on stairways; file school certificates.	Complied.	
Heborm Mills, .	Print cloths, .	150	100	—	30	Good, .	Put automatic gates on elevator, .	Complied.	
Dodgeville Mills, .	Print cloths, .	175	100	—	14	Good, .	Put automatic gates on elevator, .	Complied.	
F. W. Weaver & Co., .	Jewelry, .	16	6	—	2	Good, .	File school certificates, .	Complied.	
S. O. Regney, .	Jewelry, .	35	25	—	3	Good, .	File school certificates, .	Complied.	
Rignell, Bigney & Co., .	Jewelry, .	61	38	—	3	Good, .	File school certificates, .	Complied.	
F. H. Sadler & Co., .	Jewelry, .	5	5	—	2	Good, .	File school certificates, .	Complied.	
Simes & Co., .	Jewelry, .	8	2	—	—	Fair, .	Put in water-closets, .	Complied.	
Bliss Bros., .	Jewelry, .	62	48	—	—	Good, .	Box up pulleys, .	Complied.	
Mosberg Co., .	Novelty, .	87	3	1	—	Good, .	Post time notice, .	Complied.	
W. D. Wilmarth & Co., .	Coffin trimmings, .	19	11	—	—	Good, .	Post time notice; box up gears; remove set screws.	Complied.	
P. E. Witherell, .	Black collar buttons.	53	2	—	—	Good, .	Post time notice, .	Complied.	
ATTLEBOROUGH FALLS.									
Gold Metal Braid Co., .	Dress braids, .	15	50	—	5	Good, .	Post time notice, .	Complied.	
W. G. Clarke & Co., .	Jewelry, .	28	3	—	—	Good, .	Box up pulleys; post time notice, .	Complied.	
Fontenan, Cummings & Fagan, .	Jewelry, .	17	8	—	—	Good, .	Post time notice, .	Complied.	

DISTRICT NO. 6 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTH EASTON.								
Hatch & Perry,	Men's and boys' shoes.	50	20	—	5	Good, .	Box up pulleys; post time notice, .	Complied.
SOUTH EASTON.								
Rosse Heel Co.,	Wood heels,	30	15	—	—	Good, .	Automatic gates on elevator, .	Complied.
NORTH ATTLEBOROUGH.								
E. I. Richards & Co., . .	Jewelry, .	70	10	—	2	Bad, .	Put in new water-closets, .	Complied.
O. M. Draper,	Jewelry, .	70	35	—	—	Good, .	Box up pulleys, .	Complied.
G. K. Webster,	Jewelry, .	59	11	—	1	Good, .	Designate water-closets; file school certificate.	Complied.
H. F. Barrowes & Co., .	Jewelry, .	60	40	—	2	Good, .	Box up gears, .	Complied.
French & Franklin, . . .	Jewelry, .	25	5	—	—	Good, .	Box up pulleys, .	Complied.
Coddling Bros.,	Jewelry, .	18	7	—	—	Good, .	Box up pulleys, .	Complied.
Cutter & Grandby, . . .	Jewelry, .	15	1	—	—	Good, .	Box up pulleys, .	Complied.
Young & Sternes,	Jewelry, .	15	15	—	—	Good, .	Box up pulleys, .	Complied.
J. B. Cheevers,	Jewelry, .	18	2	—	—	Good, .	Box up pulleys, .	Complied.
Thomas E. Scott,	Jewelers' benches,	3	8	—	—	Good, .	Box up pulleys, .	Complied.
A. Schilling,	Jewelry, .	5	10	—	—	Good, .	Box up pulleys, .	Complied.
J. L. Crandall & Co., .	Jewelry, .	6	2	—	1	Good, .	File school certificate, .	Complied.
T. G. Frothingham, . . .	Jewelry, .	17	3	—	—	Good, .	Box up gears, .	Complied.

MANSFIELD.

Convey & Co., . . .	Straw hats, . . .	75	225	—	2	Good, .	File school certificate,	Complied.
B. Rumsey & Co., . . .	Ladies' shoes, . . .	90	70	—	3	Good, .	Box up shafting; file school certificate.	Complied.
S. W. Card Mfg. Co., . . .	Tapes and dies, . . .	64	1	—	3	Good, .	Post time notice; file school certificate.	Complied.
Cobb, Evanes & Cobb, . . .	Jewelry, . . .	48	18	—	—	Good, .	Post time notices, . . .	Complied.
FALLS VILLAGE.								
W. H. Bell & Co., . . .	Jewelry, . . .	13	3	—	—	Good, .	Post time notice, . . .	Complied.
W. N. Fisher & Co., . . .	Jewelry, . . .	56	14	—	—	Good, .	Post time notice, . . .	Complied.
J. F. Sheedy & Co., . . .	Jewelry, . . .	12	16	—	—	Good, .	Post time notice, . . .	Complied.
TAUNTON.								
Namasket Mills, . . .	Fine cotton yarns, . . .	163	87	—	14	Good, .	File school certificates, . . .	Complied.
Morton Bros., . . .	Steam laundry, . . .	6	37	—	1	Good, .	Post time notice; file school certificates.	Complied.
Elizabeth Pool Mills, . . .	Cotton flannels, . . .	100	100	—	17	Good, .	Put flooring under elevator drums, . . .	Complied.
A. Fields & Son, . . .	Washers and tacks, . . .	162	63	—	20	Good, .	Post time notice, . . .	Complied.
Reed & Barton, . . .	Silverware, . . .	373	50	—	5	Good, .	Put flooring under elevator drums, . . .	Complied.
Whittenton Mfg. Co., . . .	Colored cotton goods, . . .	724	556	—	61	Good, .	Put flooring under elevator drums, . . .	Complied.
Westville Mills, . . .	Cotton yarns, . . .	60	25	—	—	Good, .	Put flooring under elevator drums, . . .	Complied.
Oakland Mills, . . .	Bed ticking, . . .	57	58	—	6	Good, .	Box up gears, . . .	Complied.
Taunton Evening Herald, . . .	Newspaper, . . .	10	5	—	—	Good, .	Post time notice, . . .	Complied.
Taunton Dye Works and Bleachery, . . .	Cotton hosiery, . . .	12	3	—	—	Good, .	Post time notice; box up shafting; designate water-closets.	Complied.
Cohannet Mills, . . .	Cotton yarns, . . .	201	300	—	50	Good, .	File school certificates, . . .	Complied.
Taunton Evening News, . . .	Newspaper, . . .	9	3	—	—	Good, .	Post time notice, . . .	Complied.
Taunton Gazette, . . .	Newspaper, . . .	7	16	—	—	Good, .	Box up pulleys; file school certificates.	Complied.

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
TAUNTON — <i>Concluded.</i>								
Eagle Mills, . . .	Print cloths, . .	21	80	—	11	Good, .	File school certificates, . . .	Complied.
Canoe River Mills, . . .	Cotton yarns, . .	28	85	—	8	Good, .	Put flooring under elevator drums, .	Complied.
Taunton Locomotive Co., . . .	Printing presses, . .	199	1	—	4	Good, .	Put flooring under elevator drums, .	Complied.
Mason Machine Co., . . .	Cotton machinery, . .	535	1	—	2	Good, .	Box up shafting; file school certificates.	Complied.
FREETOWN.								
Crystal Spring B. & D. Co., . .	Bleaching and dyeing.	46	4	—	3	Good, .	Box up pulleys, . . .	Complied.
WESTPORT.								
Westport factory, . . .	Cotton twines, . .	94	85	4	15	Fair, .	Box up pulleys, . . .	Complied.
NORTH DIGHTON.								
North Dighton Cotton Co., . .	Cotton yarns, . .	39	31	3	4	Good, .	Box up mule heads; guard crank on engine.	Complied.
SANDWICH.								
Boston & Sandwich Glass Co., . .	Glassware, . .	53	2	—	5	Good, .	Box up pulleys; post time notice; file school certificates.	Complied.
Cape Cod Decorating Co., . .	Decorating glass-ware.	5	9	—	—	Good, .	Repair trap doors on elevator, .	Complied.
Union Braiding Co., . . .	Silk braids, . .	4	6	—	—	Good, .	Post time notice, . . .	Complied.

SWANZEY.	Print cloth, . . .	21	5	-	-	Good, .	Box up pulleys, . . .	Complied.
	Swanzey Dye Works, . . .							
PROVINCETOWN.	Canned fish, . . .	30	20	1	-	Good, .	File school certificate, . . .	Complied.
	L. Pickert Fish Co., . . .							
ORLEANS.	Men's clothing, . . .	45	40	-	-	-	Box up pulleys; new gates on elevator.	Complied.
	Cummings & Howes, . . .							
FAIRHAVEN.	Iron casting, . . .	32	-	-	-	Good, .	Repair safety device on elevator; new gates on same.	Complied.
	Fairhaven Iron Foundry, . . .							
NANTUCKET.	Newspaper, . . .	4	2	-	4	Good, .	Post time notice; file school certificate.	Complied.
	Nantucket Journal, . . .							
	Steam laundry, . . .	3	3	-	-	Good, .	Post time notice, . . .	Complied.
	Boston Laundry, . . .							
	Newspaper, . . .	3	2	-	-	Good, .	Post time notice, . . .	Complied.
	Inquirer and Mirror, . . .							
NORTON.	Wool scouring, . . .	30	-	-	5	Good, .	Box up pulleys, . . .	Complied.
	Norton Mill Co., . . .							
	Paper and wood boxes, . . .	44	16	-	-	Good, .	Put railing in front of crank on engine; box up gears.	Complied.
	A. A. Sweet's Box Factory, . . .							
NEW BEDFORD.	Men's white shirts, . . .	6	85	-	2	Good, .	Box up shafting, . . .	Complied.
	T. M. Denham, . . .							
	Fine cotton goods, . . .	432	440	-	49	Good, .	Keep belt tower doors closed and locked; file school certificates.	Complied.
	Hathaway Mfg. Co., . . .							
	Wrapping and sheathing paper, . . .	17	11	-	3	Good, .	Post time notice; file school certificate.	Complied.
	New Bedford Paper Co., . . .							
	Fine cotton yarns, . . .	275	275	-	61	Good, .	File school certificates, . . .	Complied.
	Columbia Mills, . . .							
	Fine cotton yarns, . . .	400	500	-	106	Good, .	File school certificates, . . .	Complied.
	Bennett Mills, . . .							

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
NEW BEDFORD — <i>Concluded.</i>							
Aeushnet Mills,	Fine cotton goods,	400	600	—	55	Good, .	Box up pulleys and gears; clean water-closets; put in seats for women.
Grinnell Mfg. Co.,	Fine cotton goods,	350	450	—	51	Good, .	Post time notice; box up elevator drums; file school certificates.
Bristol Mfg. Co.,	Fine cotton goods,	290	300	—	39	Good, .	Repair trap doors on elevator, .
New Bedford Mfg. Co.,	Fine cotton yarns,	250	200	—	28	Good, .	File school certificates,
Wamsutta Mills,	Fine cotton goods and yarns.	1,196	926	—	138	Fair, .	Put in new water-closets,
Potomska Mills,	Fine cotton goods,	500	600	1	82	Good, .	Guard crank on engine; file school certificates.
City Mfg. Corporation,	Fine cotton yarns,	250	300	—	65	Good, .	File school certificates,
Pierce Mfg. Co.,	Fine cotton goods,	117	290	—	27	Good, .	Box up mule heads,
Rotch Spinning Co.,	Fine cotton yarns,	290	110	—	42	Good, .	Repair safety device on elevator, .
Howland Mills,	Fine cotton yarns,	275	275	—	58	Good, .	Box up balance wheel on engine, .
Hedge, Lewis & Co.,	Shoe buttons,	23	7	—	4	Good, .	File school certificates,
Tabor Art Publishing Co.,	Pictures,	197	102	—	14	Good, .	File school certificates,
Fairpoint Mfg. Co.,	Silver and glass ware.	620	92	—	9	Good, .	Put automatic gates on elevators, .
National Cordage Co.,	Cordage,	174	36	—	2	Good, .	Automatic gates on elevator, . .
Morris' Twist Drill Co.,	Twist drills,	265	35	—	1	Good, .	File school certificate,
D. A. Snell,	Fancy crackers,	46	30	—	2	Good, .	Keep outside doors unlocked, . .

West Roller Mfg. Co.,	Top rollers,	16	5	1	Good,	Post time notice; file school certificate.	Complied.
New Bedford Mercury,	Newspaper,	30	3	—	Good,	Post time notice,	Complied.
Wm. F. Meyer Oil Works,	Fine oils,	7	8	—	Good,	Post time notice; designate water-closets.	Complied.
City Steam Laundry,	Steam laundry,	6	6	—	Good,	Box up gears and belts,	Complied.
J. C. Rhodes & Co.,	Shoe eyelets,	42	—	3	Good,	Put flooring under elevator drums,	Complied.
Bay State Chair Co.,	Cane-seat chairs,	34	1	5	Good,	File school certificates,	Complied.
Whitman Mills,	Fine cotton goods,	110	117	22	Good,	File school certificates,	Complied.
New Bedford Steam Laundry,	Steam laundry,	9	15	—	Good,	Post time notice; cover up gears,	Complied.
New Bedford Evening Journal,	Newspaper,	29	1	—	Good,	Box up pulleys,	Complied.
New Bedford Printing Co.,	Job printing,	4	2	—	Good,	Post time notice,	Complied.
Dartmouth Mfg. Co.,	Fine cotton goods,	150	100	15	Good,	Box up mule heads; file school certificates.	Complied.
Beacon Mfg. Co.,	Cotton and woolen yarns,	13	5	—	Good,	Post time notice; designate water-closets.	Complied.
FALL RIVER.							
Granite Mills,	Cotton goods to order,	595	555	57	Good,	Box up gears; file school certificates.	Complied.
Narragansett Mills,	Cotton jeans and sateens,	250	250	32	Bad,	New water-closets; post time notice.	Complied.
Shove Mills,	Print cloths and odd goods,	275	300	38	Good,	File school certificates,	Complied.
Metacomet Mfg. Co.,	Print cloths,	60	190	22	Bad,	File school certificates; put in new water-closets; guard crank on engine.	Complied.
Anawan Mfg. Co.,	Print cloths,	20	80	10	Bad,	Put in new water-closets,	Complied.
Union Mills,	Print and fancy goods,	516	465	60	Good,	Frame doors in machinery doorways,	Complied.
Troy C. & W. Mfg. Co.,	Cotton goods to order,	219	212	30	Good,	Box up pulleys,	Complied.

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.			
		Under 14.	14 to 16.				
FALL RIVER — <i>Continued.</i>							
Sanford Spinning Co., . . .	Fine cotton yarns,	170	120	—	Good, .	Box up pulleys, . . .	Complied.
Conanicut Mills,.	Fine cotton goods,	81	86	—	Good, .	Box up pulleys; guard crank on engine.	Complied.
Slade Mills,	Print cloths, . . .	275	300	—	Good, .	Remove set screws, . . .	Complied.
Flint Mills,.	Cotton goods to order.	210	290	—	Good, .	Put railing in front of crank on engine.	Complied.
Merchants Mill, Nos. 1 and 2, .	Print cloths and odd goods.	300	500	—	Good, .	Box up mule heads; designate water-closets.	Complied.
Merchants Mill, No. 3, . . .	Print cloths, . . .	250	250	—	Good, .	File school certificates, . . .	Complied.
Hargraves Mill, No. 1, . . .	Cotton goods to order.	220	280	—	Good, .	Box up belts; file school certificates.	Complied.
Hargraves Mill, No. 2, . . .	Cotton goods to order.	185	190	—	Good, .	File school certificates, . . .	Complied.
Globe Yarn Mills, Nos. 1, 2, 3, .	Fine cotton yarns,	400	600	—	Good, .	New water-closets; designate the same; file school certificates.	Complied
Jesse Eddy Mfg. Co, . . .	Woolen cloths, . .	120	40	—	Good, .	File school certificates, . . .	Complied.
Richard Borden Mfg. Co., . .	Print cloths and fine goods	300	500	—	Good, .	Remove set screws; file school certificates.	Complied.
Davis & McLane,	Top rollers, . . .	12	6	—	Good, .	File school certificates, . . .	Complied.
Fall River Bobbin & Shuttle Co.,	Bobbins and shuttles.	175	—	—	Good, .	File school certificates, . . .	Complied.

O. B. Wetherell & Son,	Top rollers covered.	18	4	-	2	Good,	Post time notice,	Complied.
Ramsay & Anthony,	Top rollers covered.	15	3	-	-	Good,	Post time notice,	Complied.
Durfee Mills,	Print cloths and odd goods.	551	528	-	77	Good,	Clean and whitewash water-closets; file school certificates; unlock outside doors.	Complied.
Davol Mills,	Fine cotton goods,	225	225	-	26	Bad,	Put in new water-closets; remove set screws.	Complied.
Fall River Iron Works Co.,	Print cloths,	1,002	1,504	-	137	Good,	Put in seats for women; guard crank on engine.	Complied.
Barnaby Mfg. Co.,	Colored cotton goods.	197	205	-	30	Bad,	Put in new water-closets; file school certificates.	Complied.
Barnard Mfg. Co.,	Print cloths and specialties.	150	200	-	36	Bad,	Put in new water-closets; file school certificates.	Complied.
Chase Mills,	Print cloths,	350	320	-	40	Good,	Put automatic gates on elevator,	Complied.
Robeson Mills,	Print cloths,	100	200	-	23	Good,	File school certificates,	Complied.
Osborn Mills,	Print cloths,	350	450	-	46	Good,	File school certificate; repair flush bowls.	Complied.
Fall River Bleachery,	Bleaching cotton cloths.	175	45	-	14	Good,	Box up pulleys and gears,	Complied.
Laurel Lake Mills,	Print cloths,	310	240	1	23	Good,	Guard crank on engine; post time notice.	Complied.
Cornell Mills,	Print cloths,	213	212	-	35	Good,	Put flooring under elevator drums,	Complied.
Seacomet Mills,	Print cloths,	225	385	-	45	Good,	Put in seats for women,	Complied.
Teeunseh Mills,	Print cloths,	250	300	-	26	Good,	Post time notice,	Complied.
American Linen Co.,	Print cloths,	435	492	-	101	Bad,	Put in new water-closets,	Complied.
Fall River Manufactory,	Cotton goods to order.	179	169	-	26	Good,	File school certificates,	Complied.
King Philip Mills,	Fine goods and lawns.	569	521	-	66	Good,	Put automatic gates on elevator hatchways.	Complied.

DISTRICT No. 6 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
FALL RIVER — Concluded.							
Union Belt Co.,	Leather belting, .	31	3	—	Good, .	Close up door on first floor of elevator hatchway.	Complied.
James Marshall's Hat Factory, .	Felt hats, . . .	225	225	—	Good, .	Box up pulleys and shafting, .	Complied.
Algonquin Printing Co., . . .	Printing calicoes, .	178	10	—	Bad, .	Put in new water-closets; box up pulleys and gears.	Complied.
Kerr Thread Mills,	Fine cotton yarn and thread.	265	283	—	Good, .	Put in water-closets; file school certificates	Complied.
Pocasset Mfg. Co.,	Fine cotton goods, .	370	340	—	Bad, .	Put in new water-closets, . .	Complied.
Border City Mfg. Co.,	Print cloths, . .	585	449	—	Good, .	File school certificates, . .	Complied.
Mechanics Mills,	Print cloths, . .	255	300	—	Good, .	File school certificates, . .	Complied.
Weetamoe Mills,	Print and odd goods.	280	120	—	Good, .	File school certificates, . .	Complied.
Sagamore Mfg. Co.,	Print cloths, . .	385	401	—	Good, .	Put flooring under elevator drums, .	Complied.
Wampanoag Mills,	Print and fine goods.	375	435	—	Good, .	Repair automatic doors on elevators, .	Complied.
Stafford Mills,	Print cloths, . .	370	350	—	Good, .	Cover up gears,	Complied.
Parker Mills,	Cotton goods to order.	250	250	—	Good, .	Box up mule heads; file school certificates; unlock outside doors.	Complied.
Sam Fisk,	Job printing, .	5	3	—	Good, .	Post time notice,	Complied.
Small Bros.,	Cotton twines and banding.	68	12	—	Good, .	Post time notice; file school certificates.	Complied.
Stevens Mfg. Co.,	Bed spreads, .	100	68	—	Good, .	Box up shafting,	Complied.

Fall River Daily Herald, . . .	Newspaper, . . .	24	9	—	1	Good, . .	File school certificate, . . .	Complied.
Walter Powers, . . .	Top roller covers, . . .	4	2	—	—	Good, . .	Post time notice, . . .	Complied.
N. & N. R. Lewis, . . .	Cotton waste, . . .	17	10	—	—	Good, . .	Post time notice, . . .	Complied.
J. H. Estis & Son, . . .	Cotton twines, . . .	66	46	—	4	Good, . .	Post time notice; cover up gears; file school certificate.	Complied.
Empire Laundry, . . .	Steam laundry, . . .	5	9	—	—	Good, . .	Post time notice; box up pulleys, . . .	Complied.
Fall River Daily News, . . .	Newspaper, . . .	25	7	—	1	Good, . .	File school certificates, . . .	Complied.
CHARTLEY.								
W. A. Strudy & Co., . . .	Jewelry, . . .	25	15	—	5	Good, . .	Box up pulleys; file school certificates.	Complied.
SOMERSET.								
Somerset & Johnsonburg Mfg. Co.	Potter works, . . .	35	—	—	3	Good, . .	Box up pulleys; file school certificates.	Complied.

REPORT OF INSPECTOR KNIGHT.

SIR:—I send you to-day my tabulated report for the year 1896. I am able to add but little that is new to what was contained in my last year's report, regarding the laws I am called on to enforce. The year just closing is one marked by the depressed condition of business in many manufacturing industries, therefore very many calls have been made by the inspector when the factory was found shut down, or running with a reduced force.

It has been found necessary to give orders for better sanitary arrangements and better ventilation in factories or workshops, which orders have been complied with, or are in process. I find that the sanitary condition in factories is steadily improving. In many of the new buildings this fact is especially noticeable. Particular attention has been given to mechanical ventilation, where a few years ago it was unheard of. The usual attention has been given to guarding machinery, gearing, set screws, etc. Chapter 508, Acts of 1894, regarding the employment of children in factories, workshops and mercantile establishments, has received the usual attention by the inspector, and very few wilful violations have been discovered. Occasionally a child or young person has been found without the proper certificate on file, through the neglect of the overseer. Notices have been given, which were complied with at once.

I enclose herewith a summary of the work accomplished during the past year.

Summary.

Number of factory inspections made,	381
Number of building inspections made,	62
Number of hotels,	10
Number of orders issued,	163
Number of orders complied with,	159
Number of elevators inspected,	205
Number of children employed between thirteen and fourteen years,	14
Number of children employed between fourteen and sixteen years,	1,432
Number of females employed,	13,771
Number of males employed,	20,344
Total number of males and females employed,	34,115

JOHN L. KNIGHT, *Inspector.*

DISTRICT No. 7,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
AGAWAM.								
Agawam Co.,	Flannels,	17	5	—	—	Good, .	Post time tables in workroom, .	Complied.
Worthy Paper Co., . . .	Loft-dried paper, .	30	35	—	1	Good, .	File certificate for one minor, .	Complied.
AMHERST.								
Amherst Gas Light Co., .	Gas and electric light.	3	—	—	—	Fair, .	Guard fly wheel and belts, . .	Complied.
L. E. Dickinson Box Co., .	Wood boxes, . . .	15	—	—	—	Good, .	Guard fly wheel and crank to engine; guard wheel to band saw.	Complied.
Geo. B. Burnett & Son, . .	Straw hats, . . .	38	60	—	2	Good, .	Post legal notices in workroom, .	Complied.
The Hills Co.,	Straw hats, . . .	128	158	—	5	Good, .	File certificate for one minor, . .	Complied.
CHESTER.								
Crystal Mining and Milling Co.,	Quartz,	16	—	—	—	Bad, .	Provide exhaust fans to remove dust from workrooms.	Out of business.
Crystal Flint Co.,	Quartz,	6	—	—	—	Good, .	Provide exhaust fans to remove dust, .	Complied.
CHICOPEE.								
Chicopee Mfg. Co.,	Cotton goods, . .	546	578	—	82	Good, .	File certificates for two minors, .	Complied.
Dwight Mfg. Co.,	Cotton goods, . .	782	896	—	87	Fair, .	Provide new wire cable to the elevators in Nos. 1 and 2 mills.	Complied.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CHICOPEE — Concluded.								
Hampden Brewing Co., . . .	Malt liquors, . . .	13	—	—	—	Fair, . . .	Provide self-closing hatches or gates to the elevator openings for protection.	Complied.
Spaulding & Pepper Co., . . .	Bicycle tires, . . .	45	42	—	—	Good, . . .	Guard set screws; guard fly wheel and crank to engine; post time table; keep outside door unlocked.	Complied.
The J. Stevens Arms Co., . . .	Firearms, . . .	42	3	—	1	Good, . . .	Guard set screws on shafting; box belt near entrance to wood room.	Complied.
Taylor & Bromley Co., . . .	Underwear, . . .	5	65	—	4	Good, . . .	File certificate for one minor, . . .	Complied.
Samuel Blaisdell, Jr., & Co., . . .	Cotton waste, . . .	6	12	—	—	Fair, . . .	Post time tables in workrooms, . . .	Complied.
BELCHERTOWN.								
The R. H. Long Shoe Mfg. Co., . . .	Shoes, . . .	40	20	—	2	Not good.	Post legal notices; file certificates for two minors.	Complied in part.
EASTHAMPTON.								
Nashawanuck Mfg. Co., No. 1, . . .	Elastic goods, . . .	136	84	—	7	Good, . . .	Provide new wire cable to elevator in main building of weaving department; guard shafting under sewing tables of finishing department.	Complied.
Nashawanuck Mfg. Co., No 2, . . .	Elastic goods, . . .	70	70	—	17	Good, . . .	File certificates for two minors, . . .	Complied.

Sawyer & Wolf,	Elastic fabric,	8	4	—	—	Good,	Guard fly wheel to engine; post time tables in workroom.	Complied.
Easthampton Spinning Co.,	Cotton yarn,	90	100	—	13	Fair,	File certificate for one minor,	Complied.
Geo. S. Colton,	Elastic fabric,	31	60	—	2	Fair,	File certificate for one minor,	Complied.
ENFIELD.								
Enfield Mfg. Co.,	Satinets,	37	18	—	3	Fair,	File certificate for one minor,	Complied.
HOLYOKE.								
American Pad and Paper Co.,	Paper blocks,	12	44	—	—	Good,	Post legal notices in workrooms,	Complied.
Albion Paper Co.,	Book paper,	107	68	—	—	Good,	Provide new wire cable to the rag-room elevator.	Complied.
Beebe & Holbrook Co.,	Loft-dried paper,	78	97	—	—	Good,	Provide seats for females in rag room.	Complied.
Massasoit Paper Co.,	Loft-dried paper,	70	104	—	1	Fair,	Provide seats for females in rag room.	Complied.
John E. Brown Mfg. Co.,	Bed quilts,	6	4	—	—	Good,	Post time tables in workroom,	Complied.
Connor Bros. N. Y. Mill,	Woolen goods,	119	72	—	3	Fair,	Guard spur gears on mules,	Complied.
Geo. R. Dickinson Paper Co.,	Book paper,	60	115	—	—	Fair,	Guard fly wheel to engine,	Complied.
Griffith, Axtelle Cady Co.,	Printing,	24	17	—	1	Fair,	Keep elevator doors closed when not in use; clear rubbish from basement.	Complied.
Hadley Co.,	Paper stock,	15	32	—	1	Good,	Water pails to be kept full,	Complied.
Geo. C. Gill Mfg. Co.,	Book paper,	159	101	—	—	Fair,	Guard belt running through floor to entrance to bleaching room.	Complied.
Essex Paper Co.,	Pads and tablets,	6	4	—	—	Good,	Post time tables; designate closets,	Complied.
Holyoke Lead Pipe Co.,	Lead pipe,	10	—	—	—	Fair,	Guard fly wheel and belts to engine,	Complied.
Hadley Thread Co.,	Cotton thread,	170	500	1	52	Good,	File certificate for two minors,	Complied.
Hampten Glazed Paper and Card Co.	Card board,	74	16	—	1	Good,	File certificate for one minor; guard set screws in collars on shafting.	Complied.
Lyman Mills,	Cotton goods,	434	665	—	81	Good,	Post price list on speeders,	Complied.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
HOLYOKE — <i>Concluded.</i>								
Jenkins Rubber Co., . . .	Rubber goods, . . .	65	—	—	Fair, . . .	Post time tables in workroom, . . .	Complied.	
Linden Paper Co., . . .	Fine writing paper.	77	113	—	Excellent.	Provide new cable to rag-room elevator.	Complied.	
Davis Printing Co., . . .	Printing, . . .	4	1	—	Good, . . .	Post time tables; provide certificates.	Complied.	
Paper City Printing Office, . . .	Printing, . . .	5	—	—	Fair, . . .	Post time tables, . . .	Complied.	
MacCallum, Constable & Co., . . .	Silk hosiery, . . .	17	25	—	Fair, . . .	Guard shafting under sewing-machine tables	Complied.	
Nonotuck Paper Co., . . .	Envelope paper, . . .	206	233	—	Good, . . .	Provide new cable to the elevator running to rag room.	Complied.	
Smith, Wilson & Sears, . . .	Glazed and lith., . . .	27	28	—	Good, . . .	Guard spur gear on embossing press,	Complied.	
F. D. Smith & Co., . . .	Paper pads, . . .	5	2	—	Good, . . .	Post time tables in workroom; file certificates.	Complied.	
F. J. Flannagin's building, . . .	— . . .	8	—	—	—	Provide new gates to elevator openings; repair old gates.	Complied.	
Wauregan Paper Co., . . .	Loft-dried paper, . . .	30	10	—	Good, . . .	Provide new cable to the rag-room elevator.	Complied.	
Merrick Thread Co., . . .	Cotton thread, . . .	254	484	—	Good, . . .	Designate water-closets in dressing room.	Complied.	
American Pad and Paper Co., . . .	Paper pads, . . .	20	30	—	Good, . . .	File certificates, . . .	Complied.	

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTHAMPTON — <i>Concluded.</i>								
Mansion House,	—	—	—	—	—	Good, .	Provide three additional rope fire-escapes; post notices in sleeping rooms directing to means of escape in case of fire.	Complied.
F. H. Davis & Co.,	Button board, .	14	—	—	—	Good, .	Guard shafting and fly wheel, .	Complied.
PALMER.								
Holden & Fuller,	Silk and wool, .	33	20	—	1	Good, .	Guard gears on mules near stairway in spinning room.	Complied.
Wright & Colton Wire Cloth Co.,	Wire,	40	—	—	—	Fair, .	Change stairway in main building, .	—
RUSSELL.								
Fairfield Paper Co.,	Fine writing paper,	72	50	—	—	Good, .	Post time tables,	Complied.
SOUTH HADLEY.								
Carew Mfg. Co.,	Loft-dried paper, .	48	71	—	—	Fair, .	Guard shaving tub; rail fly wheel and engine.	Complied.
SPRINGFIELD.								
Agawam Mfg. Co,	Knit underwear, .	45	70	—	—	Good, .	Guard fly wheels and belts, .	Complied.
Acme Laundry,	Laundry,	1	6	—	—	Fair, .	Post time tables in workroom, .	Complied.
Blair Mfg. Co.,	Lawn mowers, .	32	1	—	—	Fair, .	Post time tables in workroom, .	Complied.

Blake Mfg. Co., . . .	Metal goods, .	39	8	—	1	Fair, .	Provide exhaust fan in bulling and polishing room.	—
George Baer, . . .	Cigars, . . .	5	1	—	—	Good, .	Post time tables in workroom, .	Complied.
J. H. Bordeaux, . . .	Printing, . . .	3	2	—	—	Good, .	Post time tables in workroom, .	Complied.
Century Mfg. Co., . . .	Butchers' frocks, .	2	22	—	—	Good, .	Guard shafting under sewing tables, .	Complied.
Cashin Card and Glazed Paper Co	Glazed paper, . .	9	—	—	—	Fair, .	Repair gates to elevator, . .	Complied.
Cheney, Biglow Wire Works, .	Wire and dandy rolls, .	54	6	—	1	Good, .	Post time tables in workroom, .	Complied.
Davis Electrical Works, . .	In can d e s c e n t lamps, .	6	37	—	1	Good, .	Post legal notices in workroom, .	Complied.
Holyoke Paper and Card Co., .	Glazed paper, . .	69	27	—	1	Fair, .	New cable to elevator at east end of old building; box belt in new building.	Complied.
Hampden Paint and Chemical Co.	Paints, . . .	10	—	—	—	Fair, .	Guard set screws in collars on shafting; rail bridge from boiler room; rail stairway from boiler room to basement.	Complied.
Hampden Corundum Co., . .	Emery wheels, . .	14	—	—	—	Fair, .	Cut off projecting set screw from collars on shafting.	Complied.
Hutchins Narrow Fabric Co., .	Cotton tape, . .	5	35	—	—	Good, .	Post legal notices in workroom, .	Complied.
Springfield Drop Forging Co., .	Machinery, . .	47	—	—	—	Fair, .	Post time tables,	Complied.
Chas. R. Kaplinger, . . .	Printing and binding Envelopes, . .	9	6	—	—	Fair, .	Post time tables in workroom, .	Complied.
Morgan Envelope Co., . . .	Envelopes, . . .	54	75	—	4	Good, .	Post time tables in new part, . .	Complied.
E. M. Lyman & Son, . . .	Seed packers, . .	3	5	—	—	Fair, .	Provide gates to elevator openings; post time tables in workroom	Complied.
Springfield Printing and Binding Co.	Bookbinding, . .	50	50	—	2	Good, .	Guard fly wheels on printing presses.	Complied.

DISTRICT No 7 -- *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
SPRINGFIELD — <i>Concluded.</i>								
Springfield Envelope Co.,	Envelopes,	33	57	—	1	Good, .	Guard set screws in collars on shafting, near pulleys or hangers. Post time tables in workroom; designate water-closets.	Complied.
Springfield Publishing Co.,	Printing and publishing.	6	2	—	—	Good, .	Post legal notices,	Complied.
Springfield Knitting Co.,	Knit underwear,	15	45	—	2	Good, .	Protect elevator openings,	Complied.
Springfield Tribune,	Publishing, etc.,	5	—	—	—	Good, .	Better sanitary arrangements in main mill.	Complied.
The Indian Orchard Co.,	Cotton goods,	63	44	—	7	—*	Provide new cable to elevator; provide exhaust fan in bufing and polishing room	—
Warwick Cycling Co.,	Bicycles,	240	2	—	1	Good, .	Post time tables in workroom,	Complied in part.
Fast Color Eyelet Co.,	Eyelets,	17	16	—	1	Good, .	Provide three additional water-closets in repair shop.	Complied.
Connecticut & Passumpsic Division Boston & Maine R.R.	Repair shops,	175	—	—	—	Bad, .	Protect elevator openings by self-closing hatches or gates.	Complied.
Driscoll's Block,	—	—	—	—	—	—	Provide rope fire-escapes for five rooms; notices in sleeping rooms directing to means of egress.	Complied.
Hotel Russell,	—	—	—	—	—	Good, .	Provide rope fire-escapes for seventeen rooms; post notices directing to means of egress in case of fire.	Complied.
Haynes House,	—	—	—	—	—	Good, .		Complied.

Hotel Gilmore,	-	-	-	-	-	Good, .	Provide water pails in halls; provide additional rope fire-escapes; post notices in sleeping rooms directing to means of escape.	Complied.
Massasoit House,	-	-	-	-	-	Good, .	Post notices in sleeping rooms directing to fire-escape.	Complied.
The National Photo. Paper Co., .	Photo. paper, .	11	-	-	-	Good, .	Post time tables in workroom; guard shafting under sewing tables.	-† Complied.
Wilbur & Joslyn,	Ladies' wrappers, .	2	8	-	-	Good, .	Post time tables in workrooms; certificate for one minor.	Complied.
Butterworth Carpet Co.,	Carpets,	8	2	-	1	Good, .	File certificates for two minors, Provide automatic gates to elevator openings.	Complied.
Postal Telegraph Co.,	Telegraphing,	8	2	-	6	-	File certificates,	Complied.
Spaight's Block,	Storehouse,	2	-	-	-	-	Provide safety device to elevator car; self-closing hatches or gates.	Complied.
Milton Bradley & Co.,	Lith. paper,	101	16	-	5	-	Post time tables in workrooms, .	Complied.
Wm. Young's Building,	Waste,	3	-	-	-	-		
Springfield Machine Screw Co, .	Machine screws,	26	2	-	-	Good, .		
HATFIELD.								
C. S. Shattuck,	Fire arms,	20	-	-	-	Good, .	Box belt on second floor,	Complied.
HAMPDEN.								
Hampden Woolen Co.,	Woolen goods,	40	25	-	1	Fair, .	Guard gears on No. 2 fulling mill; guard set screws in collars on shafting.	Complied.
WALES.								
Excelsior Woolen Mills,	Woolen goods,	54	17	-	1	Fair, .	File certificate for one minor, . .	Complied.

* Not good.

† Building burned.

DISTRICT NO. 7 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
WARE.							
Geo. H. Gilbert Mfg. Co., .	Flannels, . .	168	78	—	9	Fair, .	Set screws to be made flush with collar, or securely guarded.
West Ware Paper Co., .	Paper, . .	10	4	—	—	Fair, .	Guard shaving tub; provide gates to elevator openings.
Joseph T. Wood, . .	Boots and shoes, .	30	10	—	1	Good, .	File certificates; designate closets; post time tables in workroom.
Geo. Eddy, . .	Boots and shoes, .	8	4	—	—	Fair, .	Post time tables; designate closets, —*
WESTFIELD.							
American Whip Co., . .	Whips, . .	140	50	—	7	—†	Better sanitary arrangements, . .
Edgar Bryant Box Co., .	Cigar boxes, .	9	11	—	—	Good, .	Gates to elevator openings kept closed when not in use.
Crane Bros. Glen Mill, .	Linen and ledger paper.	15	—	—	—	Good, .	Guard drive wheel on Westinghouse engine.
Crane Bros. Japanese Mill, .	Linen record paper,	42	90	—	1	Good, .	Cut off set screws in collars in basement.
National Mfg. Co., . .	Whip lashes, .	19	10	—	1	Good, .	Post time tables, . .
Pomeroy & Van Dusen, . .	Whips and lashes,	55	18	—	—	Good, .	Keep doors leading from workshop to hall unlocked during working hours
Street R.R. Power Station, .	Electric power, .	4	—	—	—	Good, .	Place properly constructed iron railing around fly wheel to engine.

Westfield Power Co.'s building,	-	-	-	-	-	-	-	Provide a communication between workroom and engine room.	Complied.
Wm. Warren Thread Co., .	Whip thread,	25	40	-	-	-	-	Place railing between elevator open- ing and stairway.	Complied.
H. V. Crowson, .	Wood boxes,	9	-	-	-	-	-	Guard fly wheel to engine, .	-
F. P. Crouse, .	Whips, .	5	2	-	-	-	-	Posttime tables in workroom; guard set screws.	-
WEST SPRINGFIELD.									
Agawam Paper Co., .	Loft-dried paper, .	31	39	-	-	-	-	Post time table in workroom, .	Complied.
Southworth Co., .	Loft-dried paper, .	39	52	-	1	-	-	Guard set screws in collars on shaft- ing.	Complied.
WILBRAHAM.									
Collins Mfg. Co, .	Loft-dried paper, .	71	86	-	1	-	-	Guard shaving tub by placing rail- ing around same to protect against accident.	Complied.
WILLIAMSBURG.									
Hampshire Blanket Co, .	Blankets, .	28	2	-	-	-	-	Closets to be kept clean, .	Closed.

* Out of business.

† Not good.

REPORT OF INSPECTOR PUTNAM.

SIR:—I herewith transmit to you the tabulated report of my work as factory inspector for the past year.

Much time has been spent (of which no account appears in the tabulated report) in the inspection of electric street cars during the winter of 1895–96, relating to the proper heating of the same; visiting bowling alleys, to see that the laws relating to the employment of minors were being complied with; dry goods and small-ware stores, looking for fraudulent silk, cotton and linen thread.

The larger portion of my time, outside of the regular inspection of factories and elevators, has been occupied in the enforcement of sections 51 to 54, chapter 508, Acts of 1894, and chapter 438, Acts of 1895, requiring the weekly payment of wages by persons and partnerships engaged in manufacturing, and employing more than twenty-five persons.

The laws in regard to the guarding of dangerous machinery have been strictly and impartially enforced, and I have been able to have my orders in this respect complied with without the disagreeable necessity of calling the matter to the attention of the courts, by pointing out and demonstrating the danger to the employees.

Most of the manufacturing establishments in my district being located in inland towns and cities, and without any sewerage system, I have found it a difficult matter to arrange the sanitary conveniences as they should be. However, advances are being made in the right direction, and the district is in a fairly good condition in this respect, considering the circumstances.

No cases of locked doors during working hours have come under my notice, and no violations of the hours of labor for women and minors. Complaints have been received, but upon investigation were found to be groundless.

Elevators are generally in good condition, and but few orders have been issued for repairs; those have been promptly and cheerfully complied with. The necessity still exists that means should be provided for signalling between floors, so that the elevator will not be moved while it is in use.

While last year I had 18 children between thirteen and fourteen years of age and 610 between fourteen and sixteen, this year I have none under fourteen years and only 154 under sixteen years. While the fact that there are but few large textile factories in my present district will account for a part of the reduction in the number of children employed, it will not account for all, and I am sure that employers are finding that child labor is unprofitable.

Summary.

Number of factories inspected,	292
Number of elevators inspected,	92
Number of factory orders issued,	763
Number of factory compliances,	734
Number of elevator orders issued,	18
Number of elevator orders complied with,	18
Total number employed,	21,411
Number of males,	14,873
Number of females,	6,384
Number of children between fourteen and sixteen years,	154
Number of children between thirteen and fourteen years,	-

DISTRICT No. 8,

EDWARD B. PUTNAM, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
ABINGTON.								
M. N. Arnold & Co.,	Boots and shoes, .	350	150	—	5	Fair, .	Control power on sewing-machine shaft; guard set screws and coupling pins, roller and skiver; repair gear; post time tables; pay weekly.	Complied.
William E. Lyon,	Boots and shoes, .	18	4	—	—	Fair, .	Guard set screws,	Complied.
BRAINTREE.								
David B. Closson & Co., . .	Boots and shoes, .	200	100	—	—	Good, .	Control power on skiving and sewing-machine shafts; guard set screws, coupling pins, skiver and roller.	Complied.
Stevens & Willis,	Tacks and nails, .	18	2	—	1	Fair, .	Guard set screws; procure certificate.	Complied.
Williams & Kneeland, . .	Boots and shoes, .	150	50	—	1	Good, .	Guard set screws, roller and splitter,	Complied.
B. H. Woodsum & Co., . .	Tacks and nails, .	19	4	—	—	Fair, .	Guard set screws,	Complied.
William A. Ross & Co., . .	Boots and shoes, .	19	1	—	—	Fair, .	Control power on sewing-machine shaft; guard set screws, coupling pins, roller and splitter.	Shut down.
A. S. Morrison & Bros., . .	Yarns and hosiery, .	25	25	—	1	Fair, .	Guard set screws and coupling pins; procure certificate.	Complied.

Jenkins Mfg. Co.,	.	.	Braids and shoe laces.	20	20	-	-	Fair,	Guard set screws,	.	.	Complied.
Columbia Rubber Co.,	.	.	Mackintoshes,	20	20	-	-	Fair,	Control power on sewing-machine shaft.	.	.	Complied.
Allen Fan Co.,	.	.	Fans,	13	6	-	-	Fair,	Guard set screws,	.	.	Complied.
A. C. Drinkwater,	.	.	Sole leather,	25	-	-	-	Fair,	Guard set screws; rail crank shaft,	.	.	Complied.
Columbia Rubber Co.,	.	.	Rubber-coated cloth.	30	-	-	-	Fair,	Guard gear on grinder,	.	.	Complied.
Old Colony Laundry,	.	.	Laundry,	1	6	-	-	Good,	Guard set screws,	.	.	Complied.
BRIDGEWATER.												
W. St. McElwain & Co.,	.	.	Boots and shoes,	95	30	-	-	Good,	Guard set screws and skiver; control power on sewing-machine shaft; box pulley on dinker; designate water-closets.	.	.	Complied.
BROCKTON.												
Bouvé, Crawford & Co.,	No. 1	.	Boots and shoes,	91	22	-	-	Fair,	Guard set screws, coupling pins, skiver and splitter; control power on sewing-machine shaft.	.	.	Complied.
Bouvé, Crawford & Co.,	No. 2	.	Boots and shoes,	56	9	-	-	Fair,	Guard set screws; box shaft,	.	.	Complied.
Joyce & Fletcher,	.	.	Boots and shoes,	80	20	-	-	Good,	Guard roller and splitter,	.	.	Complied.
E. F. Copeland,	.	.	Boots and shoes,	36	9	-	-	Fair,	Guard set screws, splitter and roller,	.	.	Complied.
E. M. Low,	.	.	Paper boxes,	15	56	-	-	Fair,	Guard set screws and coupling pins,	.	.	Complied.
George G. Snow,	.	.	Boots and shoes,	400	150	-	-	14	Guard set screws; box shaft; designate water-closet; procure certificates; control power on sewing-machine shaft; illiterate minor to attend school.	.	.	Complied.
Norris Machine Co.,	.	.	Shoe machinery,	16	-	-	-	Fair,	Guard set screws,	.	.	Complied.

DISTRICT No 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROCKTON — Continued.								
Lilly Brackett & Co., . . .	Boots and shoes, .	90	15	—	—	Fair, .	Guard set screws, rolling and splitting machines; repair loose pulley; control power on sewing-machine shaft	Complied.
Brockton Welting Co., . . .	Goodyear welting, .	4	—	—	1	Fair, .	Procure certificate,	Complied.
Shaw & Bryant, . . .	Boots and shoes, .	14	4	—	—	Fair, .	Control power on sewing-machine shaft.	Complied.
Holmes Bros., . . .	Boots and shoes, .	7	1	—	—	Fair, .	Guard set screws, roller and splitter; control power on sewing-machine shaft.	Complied.
William L. Doty, . . .	Boots and shoes, .	5	1	—	—	Fair, .	Control power on sewing-machine shaft; guard skiver.	Complied.
T. M. Shaw & Son, . . .	Cut stock, . . .	38	3	—	—	Fair, .	Guard set screws,	Complied.
Nelson Paper Box Co, . . .	Paper boxes, . . .	25	15	—	1	Fair, .	Guard set screws; procure certificate; repair safety.	Complied.
Hurley Bros & Co., . . .	Boots and shoes, .	22	3	—	—	Fair, .	Guard set screws and rolling machine; control power on sewing-machine shaft; post time table.	Complied.
A. C. Thompson & Co., . . .	General woodwork, .	15	—	—	—	Fair, .	Guard set screws; box belt, . .	Complied.
A. C. Thompson, . . .	Steam power, . . .	2	—	—	—	Fair, .	Guard set screws,	Complied.
E. P. Jones, . . .	Rands, . . .	14	11	—	—	Fair, .	Guard set screws,	Complied.

Stacy, Adams & Co., . . .	Boots and shoes, .	250	60	-	-	Good, .	Guard set screws, coupling pins, roller and skiver; control power on sewing-machine shaft.	Complied.
Bion F. Reynolds, . . .	Boots and shoes, .	40	7	-	-	Good, .	Guard set screws, coupling pins and roller; control power on sewing-machine shaft.	Complied.
American Heeling Machine Co.,	Heel-nailing machines.	15	-	-	-	Fair, .	Guard set screws,	Complied.
Henry M. Kingman, . . .	Boots and shoes, .	150	50	-	1	Good, .	Guard roller, skiver and set screws; control power on sewing-machine shaft.	Complied.
Puritan Rubber Co., . . .	Mackintoshes, .	1	15	-	-	Fair, .	Control power on sewing-machine shaft.	Complied.
Murphy & Finley, . . .	Boots and shoes, .	7	5	-	-	Fair, .	Guard set screws and splitter; control power on sewing-machine shaft; post time tables.	Complied.
William Soars, . . .	Cut leather, .	2	2	-	1	Fair, .	Post time tables; procure certificate,	Complied.
Brockton Last Co., . . .	Lasts, .	65	-	-	-	Good, .	Box belt; guard set screws, . . .	Complied.
A. M. Niles Shoe Co., . . .	Boots and shoes, .	45	15	-	-	Good, .	Guard roller, splitter and set screws; control power on sewing-machine shaft.	Complied.
L. M. Reynolds & Co., . . .	Boots and shoes, .	100	50	-	-	Good, .	Guard set screws, coupling pins and skiver; control power on sewing-machine shaft.	Complied.
Howard & Foster, . . .	Boots and shoes, .	120	45	-	-	Fair, .	Guard roller, set screws and coupling pins; control power on sewing-machine shaft; additional water-closet for females.	Complied.
Kimball, Tisdale & Baker, .	Boots and shoes, .	40	10	-	-	Fair, .	Control power on sewing-machine shaft; guard roller and skiver.	Complied.
Brockton Stay Co., . . .	Shoe trimmings, .	7	3	-	-	Fair, .	Guard set screws,	Complied.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROCKTON — Continued.								
Brockton Rand Co., . . .	Rands, . . .	15	20	—	—	Fair, .	Guard set screws and gear on cement machine.	Complied.
Howard T. Marshall, . . .	Steam power, . . .	3	—	—	—	Fair, .	Guard set screws and coupling pins; rail crank shaft.	Complied.
Elliott, Pitcher & Co., . . .	Boots and shoes, . . .	8	2	—	—	Fair, .	Guard set screws and splitter; control power on sewing-machine shaft; post time tables.	Complied.
Brockton Cut Sole Co., . . .	Soles, . . .	38	12	—	—	Good, .	Guard set screws, skiver and gears,	Complied.
J. A. Roarty, . . .	Cut leather, . . .	7	1	—	—	Fair, .	Guard set screws and gear on welt cutter; post time tables.	Complied.
I. P. Gaynor, . . .	Shoe trimmings, . . .	7	2	—	—	Fair, .	Guard set screws and gear on welt cutter.	Complied.
T. D. Barry & Co., . . .	Boots and shoes, . . .	165	65	—	2	Fair, .	Guard set screws, coupling pins, roller and crank shaft; control power on sewing-machine shaft; make belt and pulleys safe; two additional closets for stitching room.	Complied.
L. C. Bliss & Co., . . .	Boots and shoes, . . .	75	25	—	1	Fair, .	Guard set screws, coupling pins, roller and splitter; control power on sewing-machine shaft; procure certificate; designate closets.	Complied.

Smith & Wade, . . .	Shoe trimmings, . .	9	5	-	-	Fair, .	Guard skivers, set screws and coupling pins.	Complied.
F. E. White & Co., . .	Boots and shoes, . .	190	60	-	4	Fair, .	Guard set screws, skiver and roller; additional closet for stitching room.	All complied but closets.
Daniel W. Field, . . .	Boots and shoes, . .	230	170	-	2	Fair, .	Control power on sewing-machine shaft; box belts; guard set screws, roller and splitter; additional water-closet for stitching room; illiterate minor to attend school	Complied.
Charles A. Eaton & Co., . .	Boots and shoes, . .	170	55	-	-	Bad, .	Guard set screws, roller and splitter; control power on sewing-machine shaft; protect elevator entrances.*	Complied.
Fields Bros., . . .	Boots and shoes, . .	30	10	-	-	Fair, .	Guard roller; control power on sewing-machine shaft; designate water-closet; keep elevator gates closed.	Complied.
D. E. Wilbar & Son, . . .	Boots and shoes, . .	40	10	-	-	Fair, .	Guard set screws, roller and splitter; control power on sewing-machine shaft; designate water-closets; keep elevator gate closed.	Complied.
F. W. Jordan & Co., . . .	Boots and shoes, . .	5	2	-	-	Fair, .	Guard set screws, roller and splitter; control power on sewing-machine shaft; post time tables	Complied.
Marcus Leach, . . .	Factory building, . .	-	-	-	-	Bad, .	Repair safety; guard elevator entrances; new water-closets.	Complied.
Thomas White, . . .	Steam power, . . .	3	-	-	-	Fair, .	Guard set screws; repair elevator gate; provide separate water-closets.	Complied.

* Order for additional closets sent to owner of building.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROCKTON — <i>Continued.</i> Small, Nesmith & Co., . . .	Boots and shoes, .	33	7	—	—	Fair, .	Guard set screws, coupling pins, roller and skiver; control power on sewing-machine shaft; post time tables.	Complied.
	Boots and shoes, .	65	35	—	—	Fair, .	Guard roller, splitter and skiver; control power on sewing-machine shaft.	Complied.
R. R. Littlefield, . . .	Shoe machinery, .	8	—	—	—	Fair, .	Guard set screws, . . .	Complied.
	Boots and shoes, .	40	10	—	—	Good, .	Guard set screws, roller and skiver; control power on sewing-machine shaft.	Complied.
W. L. Douglas Shoe Co., . . .	Boots and shoes, .	360	140	—	1	Good, .	Guard crank shaft, rollers, skivers, splitters and set screws; procure certificate; two additional closets for stitching room.	Complied.
	Boots and shoes, .	100	25	—	—	Fair, .	Rail crank shaft; guard set screws, coupling pins and roller; control power on sewing-machine shaft.	Complied.
F. W. Packard & Co., . . .	Shoe crimping, .	14	2	—	—	Good, .	Guard set screws; box belt; post time tables; keep elevator hatches closed.	Complied.
	Boots and shoes, .	11	4	—	—	Good, .	Post time tables, . . .	Complied.
James C. Jenkins, . . .	Boots and shoes, .							

Johnson & Tiloon,	Cut leather, . .	14	1	-	-	Fair,	Guard set screws,	-*
McCarty, Sheehy & Kendrick Co.,	Boots and shoes, .	78	22	-	-	Good,	Control power on sewing-machine shaft; guard set screws, roller, splitter and skiver.	Complied.
Elmer C. Packard,	Steam power, .	3	-	-	-	Fair,	Guard set screws and coupling pins,	Complied.
F. B. Washburn & Co.,	Confectionery, .	30	14	-	-	Fair,	Guard set screws and coupling pins; keep elevator gates closed.	Complied.
Empire Shoe Co.,	Boots and shoes, .	30	7	-	-	Fair,	Control power on sewing-machine shaft; guard roller, skiver, set screws and coupling pins; post time tables.	Complied.
A. M. Herrod,	Boots and shoes, .	175	75	-	4	Good,	Control power on sewing-machine shaft; guard set screws, roller and skiver.	Complied.
O. O. Patten & Co.,	Blacking, . .	11	-	-	-	Fair,	Guard set screws; box belt; new hoisting cable for elevator.	Complied.
Lilly, Brackett & Co.,	Boots and shoes, .	85	15	-	1	Good,	Guard set screws and splitter; box pulley on Parson's dinker rail crank shaft; post time tables; procure certificate; designate water-closets.	Complied.
Tuck Mfg. Co.,	Steel tools and springs.	18	-	-	-	Good,	Guard set screws, . . .	Complied.
Snell & Atherton,	Shoe tools, . .	15	-	-	-	Good,	Guard set screws, . . .	Complied.
Brockton Mallet Co.,	Mallets, . .	3	-	-	-	Good,	Guard set screws, . . .	Complied.
Montello Co-operative Shoe Co.,	Boots and shoes, .	23	2	-	-	Fair,	Control power on sewing-machine shaft; guard roller, splitter and set screws.	Out of business.
H. T. Perry & Co.,	Box toes, . .	9	1	-	-	Fair,	Guard set screws, . . .	Complied.

* Out of business.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.					14 to 16.
BROCKTON — <i>Concluded.</i>									
Hub Gore Co.,	Goring,	120	30	—	1	Good, .	Guard set screws and coupling pins; procure certificate.	Complied.	
Brockton Button Hole Co., .	Button holes,	2	4	—	—	Fair, .	Control power on sewing-machine shaft.	Moved.	
M. C. Edson,	Boots and shoes,	4	1	—	—	Fair, .	Control power on sewing-machine shaft.	Complied.	
N. R. Packard & Co.,	Boots and shoes,	40	10	—	—	Good, .	Control power on sewing-machine shaft; guard set screws, roller and skiver.	Factory closed.	
O. A. Miller,	Shoe trees,	40	—	—	—	Good, .	Box belt; guard set screws, . .	Complied.	
D. S. Packard & Co.,	Shoe counters,	30	—	—	—	Good, .	Guard set screws, roller and splitter; rail crank shaft	Complied.	
J. S. Benson & Son,	Wood boxes,	13	—	—	—	Fair, .	Guard set screws and coupling pins; rail elevator well; provide communication.	Complied.	
Charles H. Dean,	Shop clothing,	—	12	—	—	Fair, .	Guard set screws; control power on sewing-machine shaft.	Complied.	
Standard Rubber Co.,	Mackintoshes,	40	85	—	—	Bad, .	Guard set screws, coupling pins and gear on spreader; provide two additional closets for females; ventilate closets.	Complied.	

Baxendale & Co.,	.	.	Counters and box toes.	37	3	-	2	Fair,	.	Post time tables; pay weekly,	Complied.
E. H. Reynolds,	.	.	Boots and shoes,	50	10	-	1	Good,	.	Guard set screws, roller, splitter and skiver; rail fly wheel; control power on sewing-machine shaft; procure certificate	Complied.
M. P. Clough & Co.,	.	.	Boots and shoes,	105	35	-	-	Good,	.	Guard set screws; post time tables; rail crank shaft.	Complied.
Averill & Thayer,	.	.	Rands and black- ings.	7	6	-	2	Fair,	.	Guard gear on roller and set screws; post time tables; procure certifi- cates; designate water-closets	Complied.
E. L. Bonney,	.	.	Wood boxes,	18	-	-	-	Fair,	.	Box pulley on planer and shaft in saw mill; rail fly wheel and main belt in cellar.	Complied.
Kimball Bros. & Sprague,	.	.	Machinery,	9	-	-	-	Fair,	.	Guard set screws,	Complied.
Broekton Brush Scraper Co.,	.	.	Foundry and en- gineers' supplies.	8	1	-	-	Fair,	.	Post time tables,	Complied.
Empire Laundry,	.	.	Laundry,	4	6	-	1	Fair,	.	Guard set screws; post time tables; designate water-closet; procure certificate.	Complied.
Reynolds' Laundry,	.	.	Laundry,	4	5	-	-	Fair,	.	Guard set screws; post time tables,	Complied.
J. E. Peckham & Co.,	.	.	Tacks and shanks,	18	-	-	1	Fair,	.	Guard set screws; post time tables; rail crank shaft and fly wheel.	Complied.
Field, Hayyard Co.,	.	.	Boots and shoes,	75	25	-	6	Fair,	.	Control power on sewing-machine shaft; guard set screws, coupling pins and roller; post time tables; procure certificates; boy under fifteen years of age not to run elevator.	Complied.

DISTRICT NO. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BRIDGEWATER.								
W. H. McElwain & Co., . . .	Boots and shoes, .	95	30	—	—	—	Guard set screws; designate water-closet; control power on sewing-machine shaft; box pulley on dinker.	Complied.
CANTON.								
Canton Mfg. and Bleaching Co.,	Cottons, . . .	74	4	—	—	Fair, .	Guard set screws and opening in floor; rail pulleys on mangles and washers.	Complied.
Kinsley Iron and Machine Co., .	Castings, bar iron and wagon axles.	200	—	—	—	Fair, .	Guard bevelled gear on main shaft; relocate railing of crank shaft main engine; guard set screws.	Complied.
Revere Copper Co., . . .	Copper and yellow metal.	83	—	—	—	Fair, .	Guard set screws; rail passageway,	Complied.
Rising Sun Black Lead Works, .	Stove polish, .	24	56	—	—	Fair, .	Rail crank shafts; guard set screws,	Complied.
Draper Bros. Co., . . .	Rubber linings, .	55	25	—	—	Fair, .	Guard set screws and gears on looms; box main belt; designate water-closet.	Complied.
G. H. Mansfield, . . .	Braids and fish lines.	4	6	—	—	Fair, .	Guard set screws, . . .	Complied.
American Net and Twine Co., .	Nets and twine, .	17	38	—	2	Fair, .	Guard set screws, . . .	Complied.
Lexington Print Works, . . .	Printed silk and cotton.	48	2	—	2	Fair, .	Guard set screws, . . .	Complied.
Ames Shovel Works, . . .	Shovels, . . .	6	—	—	—	Fair, .	Guard gear on fans, .	Complied.

DEDHAM. Frederick E. Clapp, . Merchants Woollen Mill, .	Jewellers' and ab- sorbent cotton.	9	-	-	Good, .	Guard set screws and coupling pins,	Complied.
	Woollens, . . .	100	100	-	Fair, .	Guard set screws; box gears on pump shaft; illiterate minor to attend school; pay weekly; comply with chapter 144, Acts 1895.	Complied.
	Carpets, . . .	70	50	-	Fair, .	Guard set screws; box belts; rail crank shaft and hoisting gear; repair safety and shipper rope; post time tables; procure certificate; comply with chapter 144, Acts 1895.	Complied.
FOXBOROUGH. Inman & Kimball, . . .	Straw hats, . . .	27	75	-	Good, .	Control power on sewing-machine shaft; guard set screws; box belt; rail crank shaft; pay weekly.	Complied.
	Straw hats, . . .	150	200	-	Good, .	Control power on sewing-machine shaft; guard set screws and coupling pins; repair safety on two elevators.	Complied.
	Straw hats, . . .	10	25	-	Good, .	Guard set screws and shafting; post time tables; rail fly wheel; pay weekly.	Complied.
West Branch Hat Factory, .	Straw and felt hats,	100	200	-	Good, .	Control power on sewing-machine shaft; guard set screws; pay weekly.	Complied.
Caton Bros., Bixby & Co., .	Straw and felt hats,	15	15	-	Good, .	Control power on sewing-machine shaft; guard set screws; pay weekly.	Complied.
A. H. & A. F. Young, . .	Wood boxes, . . .	40	-	-	Good, .	Guard set screws,	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.		
HANOVER. N. V. Goodrich & Co., . . .	Boots and shoes, .	50	30	—	—	Fair, .	Complied.
R. C. Waterman, . . .	Tacks and nails, .	18	7	—	—	Fair, .	Complied.
E. Phillips & Son, . . .	Tacks and nails, .	45	5	—	—	Fair, .	Complied.
E. H. Clapp Rubber Co., . .	Reclaimed rubber, .	82	—	—	—	Fair, .	Complied.
HINGHAM. Burr, Brown & Co., . . .	Curtain tassels, .	8	12	—	1	Good, .	Complied.
Hingham Street Railway, . .	Electric power, .	5	—	—	—	Good, .	Complied.
HOLBROOK. Goerers Bros., . . .	Boots and shoes, .	15	5	—	—	Fair, .	Complied.
Howard, Stanley & Loud, . .	Boots and shoes, .	16	4	—	1	Fair, .	Complied.

Daniel O'Neill,	Boots and shoes, .	14	6	-	-	Fair, .	Guard set screws, coupling pins and roller; control power on sewing-machine shaft; box same; post time tables.	Complied.
HYDE PARK.								
Readville Cotton Mill, . . .	Cottons, . . .	100	100	-	18	Fair, .	Procure certificates, . . .	Complied.
Fairmount Mfg. Co., . . .	Cotton underwear, .	5	75	-	2	Fair, .	Control power on sewing-machine shaft and keep it clear of strings; guard set screws; additional water-closet for females; procure certificates.	Complied.
.								
Robert Bleakie & Co., . . .	Woolens, . . .	220	140	-	10	Fair, .	Guard set screws; pay weekly, .	Complied.
American Tool and Machine Co.,	Tools and machinery.	300	-	-	-	Fair, .	Guard set screws; bars to outside doorways on second and third floors.	Complied.
.								
Wilton Mill,	Scoured wool, .	15	-	-	-	Fair, .	Guard set screws,	Complied.
Neponset Rubber Co., . . .	Rubber cloth, .	6	-	-	-	Fair, .	Guard crank shaft and fly wheel; rail boiler on second floor; guard gears on spreader and grinder.	Complied.
Glover & Willcomb, . . .	Hair rope and curled hair.	110	40	-	2	Fair, .	Guard set screws; pay weekly, .	Complied.
E. C. Morris Safe Co., . . .	Safes, . . .	100	-	-	2	Good, .	Guard set screws; box gears on rolling machine; rail large roller and fly wheel; procure certificate; post time tables.	Complied.
.								
Tileston & Hollingsworth Co., .	Book and plate paper.	100	25	-	-	-	Guard set screws; gear on Foudrier machine and rag cutters.	Complied.
Boston Gossamer Rubber Co., .	Mackintoshes, .	165	335	-	1	Good, .	Guard set screws; gear on spreaders; rail belt; procure certificate.	Complied.
C. H. Currier,	Dye stuffs, . .	10	-	-	-	Good, .	Guard set screws,	Complied.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
HYDE PARK — <i>Concluded.</i>							
Hyde Park Power Co.,	Electricity,	5	—	—	Good,	Guard set screws,	Complied.
J. T. Robinson & Co.,	Machinery,	45	—	—	Good,	Guard set screws,	Complied.
Boston Blower Co.,	Blowers,	50	—	—	Good,	Guard set screws; rail crank shaft,	Complied.
Brainerd Milling Machine Co.,	Machinery,	84	—	—	Good,	Guard set screws,	Complied.
J. R. Farrell & Co.,	Mackintoshes,	12	3	—	Fair,	Procure certificate; designate water-closet; post time tables.	Complied.
S. Z. Leslie,	Wood work,	3	—	—	Fair,	Guard set screws; box belt and pulley in stairway.	Complied.
Clifton Mfg. Co.,	Rubber goods,	15	1	—	Fair,	Guard set screws; rail pulley on doubling machine; comply with sections 11, 59 and 60, chapter 508, Acts 1894.	Complied.
Fairmount Hand Laundry,	Laundry,	1	3	—	Fair,	Guard set screws; post time tables,	Complied.
Hyde Park Steam Laundry,	Laundry,	3	9	—	Fair,	Post time tables,	Complied.
Summit Knitting Co.,	Athletic goods,	2	8	—	Fair,	Guard set screws,	Complied.
West River Street Laundry,	Laundry,	1	4	—	Fair,	Guard set screws; post time tables,	Complied.
Readville Color Works,	Calico printers' supplies.	17	1	—	Fair,	Guard set screws,	Complied.
MEDFIELD.							
Searle, Daily & Co.,	Staw and felt hats,	250	450	—	Good,	Guard set screws; pay weekly,	Complied.

MIDDLEBOROUGH.

Hathaway, Soule & Harrington,	Boots and shoes, .	175	50	-	-	Good, .	Guard set screws, coupling pins, roller and skivers.	Complied.
Murdock Parlor Grate Co.,	Fancy brass work,	40	-	-	-	Fair, .	Guard set screws and coupling pins,	Complied.
Leonard & Barrows, . . .	Boots and shoes, .	200	100	-	4	Fair, .	Repair boxing on sewing-machine shaft; guard set screws, coupling pins and roller; rail pulley; procure certificates.	Complied.
E. T. Jenks,	Steam power, .	4	-	-	-	Fair, .	Rail fly wheel and crank shaft; guard set screws.	Complied.
LeBarron Foundry Co., . .	Castings, . . .	50	-	-	-	Fair, .	Guard set screws; post time tables; pay weekly.	Complied.
Carlton W. Maxine, . . .	General wood work.	5	-	-	-	Fair, .	Guard set screws; rail fly wheel, .	Complied.
Phinney & Co.,	Boots and shoes, .	14	1	-	-	Fair, .	Provide communication; post time tables.	Complied.
Leonard & Shaw,	Boots and shoes, .	28	12	-	2	Fair, .	Guard set screws and roller; control power on sewing-machine shaft; pay weekly.	Moved.
Warren B. Stetson,	Boots and shoes, .	6	1	-	-	Fair, .	Guard set screws, roller, skiver and splinter; control power on sewing-machine shaft.	Complied.
NORWOOD.								
Berwick & Smith,	Printed paper, .	54	6	-	-	Good, .	Post time tables,	Complied.
H. M. Plimpton & Co., . .	Glue,	13	2	-	-	Fair, .	Rail crank shaft and fly wheel; separate closet for females.	Complied.
Lyman Smith's Sons Co., . .	Morocco,	100	-	-	-	Fair, .	Rail crank shaft; box belt; guard set screws.	Complied.
J. E. Plimpton & Co., . .	General iron work,	45	-	-	-	Fair, .	Guard set screws,	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORWOOD — <i>Concluded.</i>								
New England Railroad Car Shops.	Railroad cars,	420	—	—	—	Fair,	Guard set screws; box or rail shafting on bolt header; post time tables.	Complied.
Winslow Bros.,	Leather,	300	—	—	—	Fair,	Guard set screws; box shaft; rail crank shaft; new cable for elevator; pay weekly.	Complied.
George H. Morrill & Co., . .	Printing ink,	17	—	—	—	Fair,	Guard set screws; rail fly wheel and crank shaft.	Complied.
QUINCY.								
Old Colony Boot & Shoe Co., .	Boots and shoes,	135	15	—	—	Fair,	Guard set screws, roller and splitter,	Complied.
Quincy Cycle Co.,	Bicycles,	85	—	—	—	Fair,	Guard set screws; box belts; post time tables; pay weekly.	Out of business.
Quincy Shoe Co.,	Boots and shoes,	37	12	—	—	Good,	Guard skiver; control power on sewing-machine shaft.	Complied.
Graham & Co.,	Boots and shoes,	37	3	—	1	Good,	Guard skiver; control power on sewing-machine shaft; post time tables; designate water-closet; procure certificate.	Complied.
Bay State Aluminum Co., . .	Hollow ware,	21	—	—	—	Good,	Guard set screws; post time tables,	Complied.
Tubular Rivet and Stud Co., .	Rivets and studs,	150	300	—	—	Good,	Guard set screws; box or rail elevator hoisting gear.	Complied.

Mitchell Granite Co., . . .	Monuments, . . .	15	-	-	Fair, . .	Guard set screws on polishing machine; guard main belt, crank shaft and fly wheel.	Complied.
Wollaston Steam Laundry, . .	Laundry, . . .	6	17	-	Good, . .	Guard set screws and coupling pins; box belt on second floor.	Complied.
Milne & Chalmers, . . .	Granite work, . . .	25	-	-	Fair, . .	Guard set screws on polishing machines.	Complied.
J. Mason & Co., . . .	Granite work, . . .	15	-	-	Fair, . .	Guard set screws on polishing machines.	Complied.
Swingle & Falconer, . . .	Granite work, . . .	50	-	-	Fair, . .	Rail fly wheel and crank shaft; guard set screws; post time tables.	Complied.
ROCKLAND. The Rockland Co., . . .	Boots and shoes, . . .	90	15	-	Good, . .	Guard coupling pins, set screws, roller, skiver and counter roller; control power on sewing-machine shaft; designate water-closet; post time tables.	Recent order.
Rice & Hutchins, . . .	Boots and shoes, . . .	130	20	-	Good, . .	Control power on sewing-machine shaft.	Complied.
SHARON. H. A. Lothrop Mfg. Co., two factories.	Cutlery, . . .	14	-	-	Fair, . .	Guard set screws; box belt; rail passageway.	Complied.
G. W. & W. R. Mann, . . .	Cotton duck, . . .	12	13	-	Fair, . .	Procure certificates, . . .	Complied.
STOUGHTON. J. G. Phinney Counter Co., . .	Shoe counters, . . .	93	32	-	Fair, . .	Guard set screws and coupling pins; repair safety.	Complied.
Wallace, Elliott & Co., . . .	Boots and shoes, . . .	55	20	-	-	Guard crank shaft, set screws and coupling pins; control power on sewing-machine shaft.	Complied.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
STOUGHTON — Concluded.								
J. & H. Fitzpatrick,	Boots and shoes, .	110	15	—	—	—	Guard set screws and coupling pins; rail crank shaft; control power on sewing-machine shaft.	Complied.
Charles Tenney,	Boots and shoes, .	62	23	—	2	—	Procure certificates; guard set screws, coupling pins and roller; control power on sewing-machine shaft.	Complied.
Stoughton Rubber Co., . . .	Rubber clothing, .	154	134	—	—	—	Guard set screws; control power on sewing-machine shaft; additional closet in store room.	Complied.
French & Ward Lower Mill, .	Woolens,	93	77	—	2	—	Guard gear and set screws; procure certificates; pay weekly.	Complied.
French & Ward Upper Mill, .	Knitted fabrics, .	30	25	—	—	—	Guard set screws,	Complied.
Marron Mfg. Co.,	Mackintoshes, .	7	4	—	—	—	Post time tables; control power on sewing-machine shaft; guard gears on grinder; rail crank shaft.	Complied.
Charles Stretton & Sons, . .	Underwear, . . .	16	48	—	—	—	Guard set screws and coupling pins; control power on sewing-machine shaft.	Complied.

WALPOLE. F. W. Bird & Son, . . .	Box and sheathing paper.	160	40	-	1	Fair, .	Post time tables; rail pulley, passageway and fly wheel; guard rag cutter and gears on box cutter.	Complied.
	Union Sand Paper and Emery Wheel Co.	41	-	-	6	Fair, .	Guard set screws; rail pulleys on grinders; rail or box hoisting gear; keep elevator gates closed.	Complied.
Hollingsworth & Vose, . Chandler Adjustable Chair and Desk Co.	Manilla paper, .	70	-	-	-	Fair, .	Guard set screws, . . .	Complied.
	School furniture, .	60	-	-	2	Fair, .	Bars to outside doorways on second and third floors; guard set screws, pulley and gears on tumblers; procure certificates.	Complied.
B. Lewis & Son, . Lewis Batting Co., . . .	Binders' board, .	50	10	-	-	Fair, .	Guard set screws, . . .	Complied.
	Cotton batting, .	34	7	-	1	Bad, .	Guard set screws; rail hatchways; provide communication; box sewing-machine shaft and control power on same; box end of shaft at entrance to passageway; provide an appliance to exhaust dust from picker and card rooms.	At work on these orders.
Central Norfolk Democrat, L. F. Fales, . . . Walpole Dye and Chemical Co.,	Newspaper, . . .	1	2	-	-	Fair, .	Post time tables, . . .	Complied.
	Machinery, . . .	8	-	-	-	Fair, .	Guard set screws, belt and pulley, .	Complied.
	Dyes and chemicals.	37	3	-	-	Fair, .	Guard set screws and pulley on mixer.	Shut down.
WEYMOUTH. H. B. Reed & Co., . . .	Boots and shoes, .	110	15	-	-	Fair, .	Guard roller and gears on same; guard set screws; control power on sewing-machine shaft; provide communication to engine room; box belt; pay weekly.	Complied.

DISTRICT NO. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WEYMOUTH — <i>Continued.</i>								
M. C. Dizer & Co., . . .	Boots and shoes, .	577	125	—	4	Fair, .	Guard set screws, skiver, roller and pulleys on linkers; rail crank shaft and fly wheel; control power on sewing-machine shaft; procure certificate; pay weekly.	—*
Strong & Garfield Co., . .	Boots and shoes, .	158	34	—	1	Good, .	Guard rollers; designate water-closet; procure certificate; pay weekly.	Complied.
John Carroll & Sons, . .	Boots and shoes, .	80	20	—	1	Fair, .	Guard set screws, rollers and skiver; box sewing-machine shaft and keep it clear of strings; control power on sewing-machine shaft; pay weekly.	Complied.
M. Sheehy & Co., . . .	Boots and shoes, .	26	5	—	—	Fair, .	Guard set screws, coupling pins and roller; control power on sewing-machine shaft; pay weekly.	Complied.
Edwin Clapp, . . .	Boots and shoes, .	140	60	—	—	Fair, .	Guard set screws, roller and skiver; repair safety; box belt; control power on sewing-machine shaft.	Complied.
Torrey, Curtis & Tirrell, . .	Boots and shoes, .	80	20	—	1	Fair, .	Guard set screws, roller, splitter and skiver; box elevator cable.	Complied.

M. C. Dizer & Co.,	Leather,	15	-	-	Fair,	Guard set screws, belt and pulley on hammer and pulley on pin wheel.	Complied.
E. E. Dyer,	Boots and shoes,	17	-	-	Fair,	Guard set screws; control power on sewing-machine shaft.	Complied.
E. H. Stetson & Co.,	Boots and shoes,	85	-	-	Good,	Control power on sewing-machine shaft; guard set screws and roller.	Complied.
A. O. Crawford & Co.,	Paper boxes,	8	-	-	Fair,	Guard set screws,	Complied.
George H. Bicknell,	Soles, taps and counters.	51	-	-	Fair,	Guard set screws, roller, splitter and skiver; box belts.	Complied.
J. W. Hart & Co.,	Boots and shoes,	-	-	-	-	Guard set screws, roller and skiver; procure certificate; control power on sewing-machine shaft.	Complied.
Bradley Fertilizer Co.,	Fertilizers,	221	-	-	Fair,	Rail overhead passageway; guard set screws.	Complied.
E. S. Hunt & Son,	Fireworks,	13	-	-	-	Post time tables; box pulley; pay weekly.	Complied.
So. Weymouth Steam Laundry,	Laundry,	4	-	-	Fair,	Guard set screws; post time tables; provide separate closet for females.	Complied.
Abbot S. Lovell,	Boots and shoes,	5	-	-	Fair,	Guard set screws,	Complied.
Cassius Tirrell,	Shoe laces,	-	-	-	Fair,	Post time tables,	Complied.
Leather Novelty Co.,	Novelties,	3	-	-	Fair,	Post time tables; separate closet for females.	Complied.
E. Sherman's Sons,	Wood and paper boxes.	10	-	-	Fair,	Guard set screws,	Complied.
Weymouth Mitten Co.,	Mittens,	2	-	-	Fair,	Guard set screws; control power on sewing-machine shaft.	Going out of business.
Henry B. Chandler,	Heels,	3	-	-	Fair,	Post time tables,	Complied.

* Nearly complied. Extensive alterations being made.

DISTRICT No. 8 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
WEYMOUTH — Concluded.							
John E. Mann,	Seoured wool, .	75	—	—	Fair, .	Pay weekly; guard elevator entrances; rail outside doorways, second and third floor; change position of crank shaft rail.	Complied.
F. E. Hobart,	Ladies' wrappers, .	4	41	—	Fair, .	Pay weekly,	Complied.
Sherman Bros.,	Heels,	15	30	—	Fair, .	Guard set screws, coupling pins and roller; pay weekly.	Complied.
Loud Bros.,	Wood and paper boxes.	5	—	—	Fair, .	Guard set screws; rail outside doorway, second floor.	Complied.
Cook, Sterling & Co., . .	Boots and shoes, .	17	1	—	Fair, .	Guard set screws, roller and splitter,	Complied.
George Porter & Co., . .	Boots and shoes, .	15	—	—	—	Guard set screws,	Complied.
Frederick Cate,	Ladies' wrappers, .	6	120	—	Good, .	Control power on sewing-machine shaft.	Complied.
WRENTHAM.							
Daniel Brown,	Straw hats, . .	65	85	—	Good, .	Post time tables in stitching room; repair safety; pay weekly.	Complied.
Christy, Parker & Co., . .	Jewelry,	2	4	—	Good, .	Post time tables,	Complied.
F. N. Fales,	Wood boxes, . .	7	—	—	Fair, .	Guard set screws,	Complied.
Seymour, Knapp, Warren Co., .	Jewelry,	11	4	—	Good, .	Guard set screws,	Complied.
Lincoln Bacon Co.,	Jewelry,	30	20	—	Good, .	Guard set screws; pay weekly,	Complied.
Robinson Bros.,	Jewelry,	15	5	—	Good, .	Designate water-closets,	Complied.
Whiting & Davis,	Silver novelties, .	32	18	—	Good, .	Guard set screws; pay weekly,	Complied.

REPORT OF INSPECTOR SHEEHAN.

SIR : — The following report is respectfully submitted as to the condition of District No. 9 for the past year.

The law relating to the employment of women and minors, known as the fifty-eight-hour law, has caused but little trouble during the past year, the general depression of business causing the factories and mills to run on half time, and the universal complaint being of too short hours.

Chapter 503, Acts of 1894, relating to the employment of children under sixteen years of age in factories, workshops and mercantile establishments, I am satisfied, after careful inspection and observation, is each year being better complied with. There is a marked decrease in the number employed under fourteen years of age, and the manufacturers generally manifest a disposition to comply with the laws governing child labor ; yet, notwithstanding the laws and the willingness to obey them, they are frequently violated. Many parents are devoid of conscientious scruples, and allow their children to falsify as to their age, in order that they may be allowed to work. It is seldom that a child under thirteen years of age is found employed.

Section 23, chapter 481, which relates to the guarding of belting, shafting, gearing, drums and set screws, has been carefully attended to, and every safeguard that is practical has been ordered. More accidents have occurred by people coming in contact with belting than shafting, from the fact that it is more difficult to place safeguards around and about belting. Frequently belts break and persons are injured by being struck or entangled in the broken belt, thrown upon the floor or hurled against some object, causing serious injury or death. All belts passing through floors or located so that persons who work in close proximity to them are in any way liable to injury, are cased in. It is impracticable, however, to case in all belting that may cause accident, but some protection can be devised in most cases. All shafting that is so located as to make it possible for employees or others to receive injury by coming in contact therewith is substantially encased, wherever it is practicable.

The dangerous protruding set screw is being covered, counter-sunk or replaced with a headless screw, in obedience to orders issued by the inspector. One observing the revolving shaft or wheel upon which there is an exposed set screw must admit that it is a treacherous little device, and should be properly protected.

A careful inspection of elevators has been made. The openings of the elevator wells have been found properly protected by self-

closing hatches, gates or bars. The general rule observed in manufacturing establishments where elevators are in use is that one person is detailed to operate the elevator, and no other employee is allowed to operate it, and notices are posted to that effect.

Elevators, whether freight or passenger, should be operated by careful and thoughtful persons; for in the handling of elevators, as in the management of all machinery, the precaution taken to prevent accident is not complete unless those who are in charge are always alert and vigilant. Taking into consideration the great number of people daily using elevators, the speed at which the machine is run (with the builders trying to exceed each other in velocity) and the youthfulness of many of the persons in charge, the greatest care must be taken by the inspector that the laws regulating the guarding and use of all classes of elevators are strictly complied with.

There has been a decided improvement during the last year in the sanitary condition of many of the factories. I have had occasion to give several orders for additional water-closets to be put in where required; in some instances old and unventilated closets have been replaced by modern and well-ventilated ones. I have observed in my inspections that there is great difficulty in always keeping the closets in the condition of cleanliness that should be found, owing to the indifference of many of the operatives; and it requires a constant watch of the overseers to see that they are kept in as good condition as practicable, where there is a large number of operatives employed in any one establishment. The manufacturers in general show a disposition to do all that is reasonable to remedy evils, and promptly comply with any recommendation made to them.

The law requiring specifications to be furnished to persons employed in cotton, worsted and woollen factories is generally observed in this district. I find all looms and frames with tickets of specifications of goods manufactured, and also lists posted in the several rooms.

The law relating to the hours of labor required of conductors and motormen on street railroad cars is working in a very satisfactory manner in this district, and there have been no complaints the last year. The corporations have also complied with the law in regard to heating the cars.

The act relating to the employment of minors who cannot read and write the English language meets with favor by employers. I had occasion to investigate a complaint in this district by the committee and teacher of the evening schools, and found no truth in

it, but instead a general desire to co-operate with them in carrying out the law.

The courtesy and good feeling shown by the employers, and the readiness with which all suggestions have been received as well as the promptness with which orders given have been carried out, have made the duties both pleasant and agreeable to all parties concerned.

Summary.

Number of establishments inspected,	.	.	.	.	404
Number of elevators, .	.	.	.	.	157
Number of orders sent, .	.	.	.	.	208
Number of compliances, .	.	.	.	.	208
Whole number of persons employed,	.	.	.	.	22,843
Number of males, .	.	.	.	.	14,954
Number of females, .	.	.	.	.	7,889
Number of minors under fourteen years, .	.	.	.	.	2
Number of minors under sixteen years, .	.	.	.	.	300

DISTRICT No. 9,

JOHN J. SHEEHAN, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
AMESBURY.								
Hamilton Woolen Co.,	Cotton cloth,	327	377	—	33	Good,	New hoisting cable for elevator car, Mill No. 8; guard elevator well on fourth floor, Mill No. 5; guard pulley on first floor, Mill No. 5. Provide electric gongs between each floor and the engineer's room.	Complied.
Briggs Carriage Co.,	Carriages,	75	—	—	—	Good,	Guard irregular moulding machine; box belts on first floor.	Complied.
The Currier & Cameron Co.,	Carriage wheels,	50	—	—	—	Good,	Box belts on first floor; cover set screws.	Complied.
Biddle & Smart,	Carriages,	120	8	—	—	Good,	Provide shipper for belt in stitching room; cover set screws on shafting.	Complied.
BEVERLY.								
William L. Wood,	Shoe stitching,	1	39	—	1	Good,	Provide shipper for belt, stitching room; designate water-closets; post time tables; cover set screws on shafting, making room.	Complied.
Curtis & Lefavour,	Boots and shoes,	9	8	—	—	Fair,	Cover set screws on shafting, making room.	Complied.
Raymond & Mader,	Boots and shoes,	15	—	—	—	Fair,		Complied.

Sadie J. Fortier, . . .	Shoe stitching, . . .	1	14	—	—	Good, . .	Post time table; guard shafting and provide shipper for belt, stitching room.	Complied.
D. A Kilham, . . .	Wood and paper boxes.	8	20	—	—	Good, . .	Post time tables, . . .	Complied.
J. P. Friend & Co., . . .	Wood and paper boxes.	28	25	—	1	Good, . .	Post time tables, . . .	Complied.
BRADFORD.								
Kuipe Bros., . . .	Boots and shoes, . .	144	66	—	—	Fair, . .	Guard fly wheel of engine; guard shafting, stitching room.	Complied.
J. P. Gilman & Son, . . .	Wood hats, . . .	63	17	—	2	Fair, . .	Provide loose pulley and shipper for belt to control power.	Complied.
Haverhill Paper Co., . . .	Paper, . . .	80	—	—	—	Good, . .	Repair floor of engine room; cover set screws; box belts and pulleys on first floor.	Complied.
L. L. & H. Electric Railroad Co.,	Electricity, . . .	5	—	—	—	Good, . .	Place railings in front of pulleys connected with dynamos	Complied.
Island Park Co., . . .	Wooden boxes, . .	15	—	—	—	Good, . .	Place railings around fly wheel of engine and main belt.	Complied.
DANVERS.								
George Plummer & Co., . . .	Bag leather, . . .	54	—	—	—	Fair, . .	Place railings around steam fans and pin wheels.	Complied.
GROVELAND.								
Groveland Mill No. 2, . . .	Dress goods, . . .	56	40	—	1	Fair, . .	Box belts on second floor, . . .	Complied.
Groveland Mill No. 3, . . .	Dress goods, . . .	122	56	—	—	Fair, . .	Cover set screws on shafting in weaving room.	Complied.
HAVERHILL.								
Click Bros., . . .	Boots and shoes, . .	425	150	—	7	Fair, . .	Provide new cable for elevator car; adjust hoisting machinery.	Complied.
John W. Russ, . . .	Boots and shoes, . .	225	50	—	6	Fair, . .	Box belts and cover set screws on shafting in stitching room.	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.			
		Under 14.	14 to 16.				
HAVERHILL — <i>Continued.</i>							
W. W. Spaulding, . . .	Boots and shoes, .	200	100	—	Fair, .	Guard roller machine, . . .	Complied.
W. W. Thompson, . . .	Pasted shoe stock, .	2	5	—	Fair, .	Post time table, . . .	Complied.
M. B. Stone, . . .	Soles, . . .	6	—	—	Fair, .	Guard roller machine, . . .	Complied.
C. H. Hayes, . . .	Wood and paper boxes.	30	40	—	Good, .	Provide communication between each floor of both buildings and the engineer's room.	Complied.
C. A. Ellis & Co., . . .	Boots and shoes, .	94	6	—	Fair, .	Repair safety device on dinker machine and adjust the same.	Complied
Louis Leclerc, . . .	Shoe stitching, .	2	18	—	Good, .	Post time table, . . .	Complied.
J. C. & G. E. Kimball, . . .	Boots and shoes, .	13	3	—	Good, .	Post time table, . . .	Complied.
Hayes Bros, . . .	Slippers, . . .	20	20	—	Fair, .	Guard shafting in stitching room, .	Complied.
H. E. Guptell, . . .	Slippers, . . .	5	3	—	Good, .	Post time table, . . .	Complied.
Thayer & Maguire, . . .	Boots and shoes, .	150	100	—	Good, .	Post time tables; guard shafting, stitching room; shipper for belt, first floor.	Complied.
C. Chateaufneuf, . . .	Shoe stitching, .	1	20	—	Good, .	Guard shafting, stitching room; have illiterates attend evening school.	Complied.
Wiley & Brickett, . . .	Boots and shoes, .	30	—	—	Fair, .	Repair and adjust safety device on dinker machine.	Complied.
W. C. Lewis Shoe Co., . . .	Boots and shoes, .	30	20	—	Fair, .	Provide shipper for belt in making room.	Complied

W. S. Chase & Sons, . . .	Boots and shoes, . .	55	20	-	-	Fair, .	Provide shipper for belt in making room.	Complied.
Gale Shoe Mfg. Co., . .	Boots and shoes, . .	125	75	-	6	Fair, .	Guard roller and splitter machines,	Complied.
Blake Bros., . . .	Boots and shoes, . .	60	40	-	-	Fair, .	Provide shipper for belt in stitching room.	Complied.
H. A. Woodbury, . . .	Shoe stitching, . .	2	8	-	-	Good, .	Post time table; provide shipper for belt in stitching room.	Complied.
A. A. Briggs, . . .	Boots and shoes, . .	43	2	-	1	Good, .	Post time table; provide shipper for belt in making room.	Complied.
Luther Day, . . .	Boots and shoes, . .	25	-	-	-	Fair, .	Guard roller machine, . .	Complied.
F. H. Finney, . . .	Boots and shoes, . .	92	2	-	-	Fair, .	Provide loose pulley and shipper for belt in making room.	Complied.
E. S. Tappen, . . .	Shoe stitching, . .	-	15	-	-	Good, .	Provide loose pulley and shipper for belt in stitching room.	Complied.
H. H. Hoyt, . . .	Slippers, . .	36	4	-	-	Fair, .	Post time table; provide shipper for belt in making room.	Complied.
E. C. Miller, . . .	Shoe stitching, . .	2	28	-	-	Good, .	Post time table; provide shipper for belt in stitching room.	Complied.
Ray & Shaw, . . .	Pasted shoe stock, . .	3	5	-	-	Fair, .	Post time table, . .	Complied.
L. M. Hall, . . .	Wood and paper boxes, . .	5	8	-	-	Good, .	Post time table, . .	Complied.
Moore & Clark, . . .	Wood heels, . .	7	5	-	-	Good, .	Post time table; designate closet; box belt on second floor.	Complied.
S. A. Tobie, . . .	Soles, . .	5	-	-	-	Good, .	Guard splitter machine, . .	Complied.
J. S. Conley & Co., . .	Soles, . .	7	-	-	-	Good, .	Provide shipper for belt on roller machine; box belt on first floor.	Complied.
D. H. Evans, . . .	Shoe cutting, . .	7	2	-	-	Good, .	Post time table, . .	Complied.
R. B. Day, . . .	Boots and shoes, . .	121	4	-	-	Fair, .	Post time tables, . .	Complied.
A. F. Parshly, . . .	Pasted shoe stock, . .	2	48	-	-	Good, .	Post time tables; designate closets; guard shafting.	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL — <i>Concluded.</i>								
Edward Mailloux & Son, . . .	Shoe stock, . . .	16	—	—	—	Fair, . . .	Cover set screws on shafting; guard steam fans.	Complied.
George C. How, . . .	Slippers, . . .	20	20	—	2	Fair, . . .	Procure certificates for minors, . . .	Complied.
R. C. Miller, . . .	Shoe stitching, . . .	1	24	—	1	Good, . . .	Procure certificate for minor, . . .	Complied.
John Corson, . . .	Shoes, . . .	18	—	—	—	Fair, . . .	Guard splitter machine, . . .	Complied.
Greeley, Hillard & Co., . . .	Boots and shoes, . . .	29	1	—	—	Fair, . . .	Provide electric gongs between each floor and engineer's room.	Complied.
S. B. McNamara & Co., . . .	Boots and shoes, . . .	53	7	—	1	Fair, . . .	Post time tables; designate water-closets.	Complied.
J. H. Connor, . . .	Boots and shoes, . . .	115	25	—	1	Fair, . . .	Provide shipper for belt in stitching room.	Complied.
C. M. How, . . .	Boots and shoes, . . .	28	12	—	—	Fair, . . .	Post time tables; provide shipper for belt in stitching room.	Complied.
George B. Case, . . .	Boots and shoes, . . .	20	15	—	—	Fair, . . .	Post time tables; provide shipper for belt in stitching room.	Complied.
Fred A. Ford, . . .	Inner soles, . . .	6	6	—	—	Fair, . . .	Post time tables, . . .	Complied.
Lenox & Briggs, . . .	Morocco leather, . . .	112	13	—	1	Fair, . . .	Box belt, second floor; guard elevator well, second floor; guard steam fans, second floor.	Complied.
J. C. Ivory & Co., . . .	Boots and shoes, . . .	35	15	—	—	Fair, . . .	Post time tables, . . .	Complied.
George S. Smith & Son, . . .	Pasted shoe stock, . . .	8	4	—	—	Fair, . . .	Post time tables; designate water-closets.	Complied.

W. F. Evans,	Boots and shoes,	8	2	—	Fair,	Post time tables,	Complied.
Searle & Webster,	Boots and shoes,	78	2	—	Fair,	Box belts, second floor,	Complied.
IPSWICH.							
Thomas Plant Shoe Co.,	Boots and shoes,	125	200	—	Fair,	Provide shippers for belts in stitching rooms; designate closets.	Complied.
LYNN.							
A. C. Hunt,	Shoe stitching,	1	9	—	Good,	Post time table; provide shipper for belt; guard shafting in stitching room.	Complied.
Durgin & Tuttle,	Boots and shoes,	42	3	—	Fair,	Post time tables,	Complied.
Frank Keene Co.,	Boots and shoes,	54	6	—	Fair,	Post time tables,	Complied.
New York Shoe Co.,	Boots and shoes,	46	4	—	Fair,	Unlock doors,	Complied.
Moody, Smith & Co.,	Boots and shoes,	5	5	—	Fair,	Post time table; box belt, second floor; provide shipper for belt; guard shafting, stitching room.	Complied.
Thomas Bros.,	Wood and paper boxes,	12	20	—	Good,	Provide new hoisting rope for elevator car.	Complied.
J. L. Walker,	Boots and shoes,	75	75	—	Fair,	Guard belts and pulleys on third floor.	Complied.
Lynn Co-operative Shoe Co.,	Boots and shoes,	13	5	—	Fair,	Provide new hoisting rope for elevator car; provide loose pulley and shipper for belt in stitching rooms; post time tables.	Complied.
Burpee Rumsey,	Boots and shoes,	90	60	—	Fair,	Post time tables,	Complied.
H. F. Ashton,	Shoe stitching,	2	13	—	Good,	Designate water-closets,	Complied.
Mrs. Covell,	Shoe stitching,	—	12	—	Good,	Provide loose pulley and shipper for belt, stitching room.	Complied.
E. A. Patch,	Shoe stitching,	—	20	—	Good,	Post time table,	Complied.

District No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — Continued.								
C. L. Nason,	Shoe stitching, .	—	14	—	—	Good, .	Post time table, . Post time tables; repair and adjust safety device on dinker machine; provide shipper for belt in stitching room.	Complied. Complied.
Murphy Bros,	Boots and shoes, .	75	50	—	—	Fair, .		
E. F. Sanborn & Co.,	Boots and shoes, .	75	25	—	1	Fair, .	Provide shippers for belts in stitching and making rooms; guard shafting in stitching room; box belts on third floor; designate water-closets.	Complied.
W. F. Morgan & Co.,	Boots and shoes, .	70	30	—	—	Fair, .	Post time tables; unlock doors; guard roller and dinker machines.	Complied.
J. P. Griffin & Co.,	Boots and shoes, .	18	12	—	—	Fair, .	Post time tables; provide shipper; guard shafting, stitching room.	Complied.
W. F. Sheehan,	Boots and shoes, .	10	10	—	—	Fair, .	Guard roller and splitter machines, .	Complied. Complied.
James E. Phelan,	Boots and shoes, .	60	40	—	—	Fair, .	Provide shipper for belt in stitching room.	
James D. Stevens,	Shoe stitching, .	—	12	—	—	Good, .	Post time table; provide shipper for belt in stitching room.	Complied.
National Shoe Co.,	Boots and shoes, .	100	50	—	1	Fair, .	Guard elevator well, fourth floor; procure certificate for minor.	Complied.
A. W. Neal,	Boots and shoes, .	16	—	—	—	Fair, .	Guard dinker machine, .	Complied.

Strout, Sager & Co., . . .	Boots and shoes, . . .	14	6	-	-	Fair, .	Post time tables; guard roller machine; provide shipper for belt in stitching room.	Complied.
Merriek & Grindle, . . .	Boots and shoes, . . .	14	5	-	-	Fair, .	Post time table; guard roller machine; provide shippers for belts in stitching and making rooms.	Complied.
Thomas Collyer, Jr., . . .	Boots and shoes, . . .	18	-	-	-	Fair, .	Guard roller machine, . . .	Complied.
Eekhard & Ford, . . .	Boots and shoes, . . .	25	15	-	-	Fair, .	Guard shafting in stitching room and dinker machine.	Complied.
Boston Steam Laundry, . . .	Laundry, . . .	5	17	-	-	Good, .	Provide cover for extractor, . . .	Complied.
E. W. & C. F. Munroe, . . .	Boots and shoes, . . .	18	-	-	-	Fair, .	Guard roller machine, . . .	Complied.
Edward E. Elder, . . .	Dowels, . . .	8	-	-	-	Good, .	Provide new hoisting rope for elevator ear; box belt fourth floor; box pulley first floor; guard openings to basement floor.	Complied.
James Houghton & Co., . . .	Heels, . . .	12	-	-	-	Good, .	Remove obstructions from stairways, . . .	Complied.
L. J. Richard & Co., . . .	Boots and shoes, . . .	35	35	-	-	Fair, .	Post time table; guard shafting in stitching room.	Complied.
Bailey, Curtis & Co., . . .	Boots and shoes, . . .	30	30	-	-	Fair, .	Repair and adjust safety device on dinker machine.	Complied.
F. A. Kollock, . . .	Boots and shoes, . . .	11	1	-	-	Fair, .	Repair and adjust safety device on dinker machine; unlock doors on first and fourth floors.	Complied.
George E. Marsh & Co., . . .	Soaps, . . .	17	3	-	1	Fair, .	Post time tables; cover set screws on shafting on first floor; box belts on second floor.	Complied.
Lydia Pinkham Medicine Co., . . .	Medicines, . . .	23	37	-	-	Good, .	Post time tables, . . .	Complied.
Eaton & Hobbs, . . .	Pop corn, . . .	10	-	-	-	Good, .	Guard fly wheel of engine; cover set screws, second floor; box belts, second floor; provide electric gongs between each floor and engineer's room.	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — Concluded.								
Maurice Flynn,	Boots and shoes, .	100	100	—	—	Fair, .	Repair and adjust safety device on elevator car; adjust shipper ropes and hoisting machinery.	Complied.
G. W. Herrick & Co., . .	Boots and shoes, .	100	25	—	—	Fair, .	Guard shafting in stitching room, .	Complied.
H. S. Johnson,	Leather coats, .	5	7	—	—	Good, .	Post time table,	Complied.
John McFarlane,	Printing,	9	—	—	—	Good, .	Provide loose pulley and shipper for belt; cover set screws on shafting.	Complied.
LYNNFIELD.								
Henry Law,	Boots and shoes, .	50	25	—	—	Fair, .	Provide shipper for belt in stitching room; box belt on second floor.	Complied.
MARBLEHEAD.								
J. B. Witham,	Boots and shoes, .	35	25	—	—	Fair, .	Cover set screws on shafting in making room.	Complied.
W. E. Brown, 2d,	Boots and shoes, .	35	25	—	—	Fair, .	Provide shipper for belt in stitching room; box belt and cover set screws on shafting in making room; guard splitter machine.	Complied.
NEWBURYPORT.								
Dodge Bros.,	Boots and shoes, .	125	50	—	1	Fair, .	Box belt, second floor; guard shafting, stitching room.	Complied.

Bay State Cordage Co.,	Cordage,	42	8	-	-	Fair,	Place railings around Good's twisting machines; cover set screws; box shafting on first floor.	Complied.
Barton & Thurlow,	Boots and shoes,	5	15	-	-	Fair,	Provide shipper for belt in stitching room; cover set screws on shafting on first floor.	Complied.
N. Dodge & Bliss Co.,	Boots and shoes,	25	30	-	-	Fair,	Guard shafting and provide shipper for belt in stitching room; box belts, second floor.	Complied.
Charles E. Coffin & Co.,	Fur hats,	32	28	-	-	Fair,	Provide shipper for belt in stitching room; cover set screws on shafting; railing around opening; first floor.	Complied.
E. P. Dodge Mfg. Co.,	Boots and shoes,	137	176	-	24	Fair,	Box fly wheel and gear wheel of nailing machine; guard staying machines.	Complied.
Newburyport Shoe Co.,	Boots and shoes,	148	92	-	4	Fair,	Guard shafting in stitching room,	Complied.
Brckett Mfg. Co.,	Counters,	40	20	-	-	Good,	Post time tables; cover set screw on shafting.	Complied.
PEABODY. Thomas H. O'Shea,	Morocco leather,	70	-	-	-	Fair,	Box belts, second floor; railings around steam fans.	Complied.
George Foan,	Morocco leather,	30	-	-	-	Fair,	Box belts, second floor,	Complied.
Franklin Osborne Co.,	Leather,	100	-	-	-	Fair,	Cover set screws on shafting; box belts, second floor.	Complied.
A. C. Lawrence & Co.,	Morocco leather,	250	-	-	12	Fair,	Post time tables; provide friction clutch to control power; guard fly wheel of engine.	Complied.
SWAMPSCOTT. Merritt & Cole,	Slippers,	23	12	-	-	Good,	Provide shipper for belt in stitching room; guard roller machine.	Complied.

DISTRICT No. 9 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
SALEM.								
R. H. Union, . . .	Boots and shoes, .	55	35	—	—	Fair, .	Repair self-closing hatches of elevator well on second floor.	Complied.
Almy, Bigelow & Co., . . .	Carpet making, .	4	5	—	—	Good, .	Post time table, . . .	Complied.
J. C. McDonald, . . .	Tailor shop, . . .	10	7	—	—	Good, .	Post time table; provide water-closet for females.	Complied.
Star Laundry, . . .	Laundry, . . .	2	3	—	—	Good, .	Post time table; provide water-closets for both sexes.	Complied.

DISTRICT No. 10, JAMES R. HOWES, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ADAMS. Adams Electric Light and Power Co. Berkshire Cotton Co., No. 3 Mill,	Light and power,	3	—	—	—	Good, .	Guard driving belt on No. 1 engine; guard shafting.	Complied.
	Cotton cloth, .	96	39	—	9	Good, .	Children's certificates, . . .	Complied.
BECKET. Frederick A. Willis, . . . Frederick Curtis, . . .	Shingles and bas- kets.	9	—	—	—	Good, .	Guard shafting, . . .	Complied.
	Lumber, . . .	6	—	—	—	Good, .	Guard belts, . . .	Complied.
BUCKLAND. Rufus Covell, . . . J. A. Richmond, . . .	Flour and feed, .	4	—	—	—	Good, .	Guard shafting, . . .	Complied.
	Doors and sashes,	8	—	—	1	Good, .	Children's certificates, . . .	Complied.
CLARKSBURG. Linwood Mills, . . .	Woolen cloth, .	88	35	—	6	Good, .	Guard gears, . . .	Complied.
COLRAIN. Griswoldville Mfg. Co., Upper Mill.	Cotton cloth, .	33	52	—	10	Fair, .	Children's certificates; sanitarics; designate closets.	Complied.

DISTRICT NO. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
DALTON.							
Dalton Shoe Co., . . .	Shoes, . . .	170	80	—	19	Good, .	Children's certificates; additional closets.
W. C. Mandigo, . . .	Laundry, . . .	2	4	—	—	Good, .	Post time notice,
G. J. Jordan, . . .	Machinists, . . .	3	—	—	1	Good, .	Post time notice,
DEERFIELD.							
Wiley, Russell & Co., . . .	Blacksmiths' tools, . . .	150	—	—	4	Good, .	Children's certificates, . . .
GREENFIELD.							
Winchester Box Mfg. Co., . . .	Wood boxes, . . .	21	4	—	1	Good, .	Post time notice; guard belts, . . .
T. Morey & Son, . . .	Electrotype plat- ing, . . .	5	30	—	1	Good, .	Post time notice,
Emil Wessbrod & Sons, . . .	Pocketbooks, . . .	9	23	—	—	Good, .	Post time notice,
E. H. Eddy & Son, . . .	Wood clothes hangers, . . .	16	—	—	1	Good, .	Post time notice,
Charles D. Shaw, . . .	Bakery, . . .	15	—	—	—	Good, .	Guard gears,
GREAT BARRINGTON.							
Endrick Woolen Co., . . .	Woolen cloth, . . .	82	45	—	8	Poor, .	Children's certificates; keep closets clean.
HINSDALE.							
Hinsdale Bros., No. 1 Mill, . . .	Woolen cloth, . . .	176	152	—	21	Good, .	Post time notice,

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTH ADAMS — <i>Concluded.</i>								
C. T. Sampson Mfg. Co.,	Shoes, . . .	260	220	—	20	Good, .	Guard shafting under tables, .	Complied.
Barber Leather Co.,	Dressed leather, .	40	1	—	—	Good, .	Guard elevator openings, .	Complied.
Wilkinson & Bliss,	Shoes, . . .	45	35	—	5	Good, .	Guard drums on cutters, .	Complied.
North Adams Brick Co.,	Bricks, . . .	44	—	—	—	Good, .	Guard fly wheel, . . .	Complied.
Beaver Mills,	Cotton cloth, . .	35	5	—	—	Good, .	Post time notices, . . .	Complied.
J. M. Canedy,	Shoes, . . .	207	78	—	15	Fair, .	Children's certificates; sanitaries, .	Complied.
Frank J. Barber,	Fine leather goods, .	11	10	—	2	Good, .	Children's certificates; designate water-closets.	Complied.
H. T. Cady,	Shoes, . . .	152	98	—	9	Good, .	Post time notices, . . .	Complied.
Beaver Mills,	Cotton cloth, . .	190	170	—	21	Good, .	Guard elevator openings, . .	—*
NEW SALEM.								
W. H. Bishop,	Chair stock, . . .	8	—	—	1	Good, .	Children's certificates, . . .	Complied.
NEW MARLBOROUGH.								
W. B. Gibson & Son,	Dimension lumber, .	6	—	—	—	Good, .	Guard belts on engine, . . .	Complied.
Dwight Sissons,	Saw mill, . . .	4	—	—	—	Good, .	Guard belts on shingle machine, .	Complied.
ORANGE								
Mains & Sprague,	Gents' pants, . . .	6	14	—	—	Good, .	Guard shafting; post time notices; designate closets.	Complied.
Orange Shirt Co.,	Shirts, . . .	2	24	—	4	Good, .	Children's certificates; guard shafting; designate closets	Complied.

Orange Shirt Co.,	Shirts, . . .	2	43	—	6	Good, .	Keep outside doors unlocked, .	Complied.
Main & Sprague,	Men's vests, .	6	12	—	—	Good, .	Guard shafting, . . .	Complied.
J. B. Reynolds, .	Shoes, . . .	125	50	—	—	Good, .	Post time notices, . . .	Complied.
S. D. Munroe, . .	Inside finish, .	5	—	—	—	Good, .	Guard belts, . . .	Complied.
OTIS.								
D. A. Wittee, . .	Shingles and lumber.	6	—	—	—	Good, .	Guard shafting, . . .	Complied.
PITTSFIELD.								
Pittsfield Electric Light and Power Co.	Light and power, .	11	2	—	—	Good, .	Guard belts on engine, . . .	Complied.
J. L. & T. D. Peck, No. 1 Mill, .	Cotton flannel, .	50	36	—	12	Good, .	Guard shafting, . . .	Complied.
J. L. & T. D. Peck, No. 2 Mill, .	Men's shirting, .	127	55	—	14	Good, .	Guard shafting and gears, . . .	Complied.
E. D. Jones & Sons, . . .	Paper machinery, .	125	—	—	—	Good, .	Repair elevator gates, . . .	Complied.
Sissons & Robertson, . . .	Paper boxes, . . .	5	25	—	—	Good, .	Post time notices; designate closets, . . .	Complied.
Berkshire County Jail, . . .	Boot and shoe heels.	32	—	—	—	Good, .	Guard machinery, . . .	Complied.
A. H. Rice & Co., . . .	Silk thread, . . .	30	60	—	6	Good, .	Guard engine; post time notice; furnish list of minors.	Complied.
S. W. & C. N. Russell Woolen Co.,	Woolen cloth, . . .	155	72	—	8	Good, .	Guard belts, . . .	Complied.
Pontoosuc Woolen Co., . . .	Woolen cloth and blankets.	90	110	—	10	Good, .	Post time notices, . . .	Complied.
Pittsfield Lumber Co., . . .	Wood finish, . . .	9	—	—	—	Good, .	Guard drums and belts, . . .	Complied.
Shaker Mine, . . .	Iron ore, . . .	85	—	—	—	Good, .	Safety on elevator, . . .	Complied.
Kirby & Fahey, . . .	Laundry, . . .	3	3	—	—	Good, .	Post time notice; guard belts; designate closets.	Complied.
J. Downes & Co., . . .	Dimension lumber, .	8	—	—	—	Good, .	Guard drums and belts, . . .	Complied.
W. E. Tiltson Morningside, .	Woolen cloth, . . .	228	122	—	18	Good, .	Guard gears; children's certificates, . . .	Complied.

* In process of construction.

DISTRICT No. 10 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
RICHMOND.								
Sherell Bros., . . .	Dimension lumber,	6	—	—	Good, .	Guard belts on engine, .	. .	Complied.
Richmond Iron Works, . .	Iron ore, . . .	19	—	—	Good, .	Guard fly wheel on engine,	. .	Complied.
SANDISFIELD.								
Barber & Herrick, . . .	Whips, . . .	6	3	—	Good, .	Post time notice, . . .	. . .	Complied.
SHEFFIELD.								
Wileox Bros., . . .	Wood working, . .	6	—	—	Good, .	Guard rails and shingle saw, .	. .	Complied.
SHUTESBURY.								
Dwight S. Fenton, . . .	Shingles, . . .	4	—	—	Good, .	Guard set serews, . . .	. . .	Complied.
STOCKBRIDGE.								
J. F. Pilling, . . .	Wood working, . .	6	—	—	Good, .	Guard shafting, . . .	. . .	Complied.
WILLIAMSTOWN.								
Lindley Bros., . . .	Wood mouldings,	8	—	—	Good, .	Guard shafting and belts,	. .	Complied.
Boston Finishing Co., . .	Bleached cotton cloth.	76	14	—	Good, .	Guard gears, . . .	. . .	Complied.
Williamstown Mfg. Co., . .	Cotton cloth, . .	165	85	—	Good, .	Post time notice, . . .	. . .	Complied.
F. H. Daniels, . . .	Ice-cutting machinery.	6	—	—	Good, .	Guard belts and drums on engine, .	. .	Complied.

Boston Finishing Co., . . .	Bleached cotton cloth.	68	15	—	—	Good, .	Post time notices, . . .	Complied.
Williamstown Mfg. Co., . .	Cotton cloth, . . .	75	125	—	34	Poor, .	Designate closets; sanitarics, .	Complied.
WARWICK.								
C. A. Williams Center Mills, .	Dimension lumber, . . .	8	—	—	—	Good, .	Guard belts and shafting, . .	Complied.
F. A. Whitney, . . .	Pine lumber, . . .	4	—	—	—	Good, .	Guard belts, . . .	Complied.
G. W. Wheeler, . . .	Wood boxes, . . .	10	2	—	2	Good, .	Guard shafting; post time notices, .	Complied.
WEST STOCKBRIDGE.								
Pomeroy Mining Co., . . .	Iron ore, . . .	20	—	—	—	Good, .	Guard balance wheel, crank on engine and belt on stone crusher.	Complied.
Vaber Bros., . . .	Kindling wood and cider.	4	—	—	—	Good, .	Guard shafting, . . .	Complied.
Rockdale Mills, . . .	Buckwheat flour, . .	4	—	—	—	Good, .	Guard shafting, . . .	Complied.

Summary.

Number of establishments inspected,	544
Number of elevators inspected,	148
Number of orders sent,	88
Number of compliances,	88
Total number employed in factories,	16,245
Number of males employed in factories,	10,452
Number of females employed in factories,	5,109
Number of minors under fourteen years,	1
Number of minors between fourteen and sixteen years,	683

REPORT OF INSPECTOR WASLEY.

SIR:— I have the honor to submit herewith the following tabulated report of the work performed by me during the past year in the eleventh district.

Business in my district for the past year has been very dull, and most of the manufactories have been working on short hours more or less. Some plants, especially woollen factories, have been entirely closed, but I think business looks more encouraging at the present time.

The fifty-eight-hour law relating to the hours of labor for women and minors in my district has been fully complied with, there having been but few complaints in regard to this law the past year.

The employment of children under fourteen years of age in factories and workshops shows by investigation a remarkable decrease. Last year I found 152 minors under fourteen years of age employed; this year I find but 16, and the majority of those are employed in one factory.

In regard to the enforcement of the law relating to sanitary conditions and ventilation in the different manufactories, I find great improvements have been made. Some corporations have placed blowers and fans in the basements, to force up the warm air in winter and the cold air in summer. All sanitary arrangements in the factories and workshops I have generally found in a good state of cleanliness.

The law requiring reports of all accidents to be made to the chief of the district police within four days, when death has resulted from said accident, and in all serious accidents, has been generally complied with. I find on investigation that carelessness of the employees in cleaning the machinery while in motion, not taking heed of notices forbidding them to do so, posted in the different rooms, is the cause of many of the accidents in factories.

I have given much care to the inspection of elevators, and am glad to inform you that there are very few of the 183 elevators inspected by me that are not in first-class condition. I think the

agents and superintendents require the master mechanics in many factories to look closely after all cables and safety devices connected with elevators. All orders issued in regard to elevators inspected have been promptly fulfilled.

Section 1, chapter 584, Acts of 1894, requiring specifications to be furnished persons employed in cotton factories, I am pleased to say is in full force in all factories in the eleventh district, and as far as my investigations extend the law is obeyed, all looms and frames being properly marked with tags and cards, as the law requires.

In all factories and workshops in the district under my charge the illiterate minors are carefully looked after, and, with the assistance of the truant officers in the cities where evening schools are in session, I think nearly all have attended such.

The enforcement of section 1, chapter 136, Acts of 1895, an act relative to the heating of street railway cars, caused me some trouble last winter, but I was soon able to make the management of the different lines of railways understand what this law required of them, and the cars were kept as near the required temperature as possible through the coldest weather.

Section 51, chapter 508, Acts of 1894, in regard to the weekly payment of wages, has caused several complaints. I made it my duty to investigate immediately, and arrangements were made with all parties interested, and at the present time all are now complying strictly with this law.

Your special order, requiring me to visit all theatres and places of assemblage, I have attended to. I think this law has been fully enforced, and when the aisles have been obstructed in any manner by portable seats or crowding or sitting in the aisles in the galleries, blocking the egress to fire-escapes, etc., I have given the managers notice, and all obstructions were immediately removed.

All manufacturers show a commendable desire to inform themselves in regard to the provisions of the various factory laws. I have been treated most courteously by all that I have had occasion to meet in the performance of my duties.

Summary.

Whole number of inspections made,	500
Whole number of orders issued,	239
Whole number of compliances,	237
Children between thirteen and fourteen,	16
Children between fourteen and sixteen,	2,782
Whole number of females employed,	26,473
Whole number of males,	32,239
Total number of males and females,	58,712
Elevators inspected,	183

DISTRICT No. 11, FRANK C. WASLEY, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ANDOVER.								
Bay State Dyeing and Furnish- ing Co.	Dress goods, .	19	2	—	—	Fair, .	Guard belt and set serews, .	Complied.
Brightwood Mfg. Co., .	Woolen dress goods.	22	3	—	—	Fair, .	Guard glass door; designate water- closet.	Complied.
Marland Mills,	Dress goods, .	123	77	—	12	Good, .	Guard belt and belts and fly wheel on dynamo engine.	Complied.
Smith & Dove,	Shoe thread, .	136	139	11	27	Good, .	Guard set screws in collars of shaft- ing and on twisting machines in two rooms; platform and stairs; circular saw.	Complied.
Sutton Mills,	Dress goods, .	60	40	—	3	Good, .	Guard two belts in mule room, one in basement.	Complied.
Ballardvale Mills,	Flannels, .	65	120	—	8	Good, .	Guard belts on steam pipes, eard room and wheel room.	Complied.
Stevens Mills,	Dress goods, .	108	108	—	8	Good, .	Guard set screws in three rooms, belt on extractor; procure one eertificate.	Complied.
M. F. Campbell,	Silk towels, .	2	2	—	—	Good, .	Guard sewing-machine shaft, belt running through floor.	Complied.
Bay State Dyeing Co., . .	Dyed goods, .	17	2	—	—	Good, .	Guard fan in wall of basement, .	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
NORTH BILLERICA.								
Talbot's Mills,	Flannels and dress goods.	209	105	—	28	Good, .	Guard belts on elevators in basement of finishing mill.	Complied.
Faulkner's Mfg. Co., . .	Flannels and dress goods.	68	32	—	5	Good, .	Guard belt running through floor, .	Complied.
Talbot's Mills,	Flannels and dress goods.	215	110	—	21	Good, .	Guard belt and pulley in wool house, belt hole in extractor and belt in finishing room.	Complied.
Lowell Rendering Co., . .	Tallow and grease,	18	—	—	—	Good, .	Guard belt on vertical mill and fly wheel of engine.	Complied.
TEWKSBURY.								
Taylor & Barker Mfg. Co., .	Chemicals,	20	—	—	—	Good, .	Guard set screws,	Complied.
Atherton Machine Co., . .	Machinery,	135	20	—	—	Good, .	Guard set screws in polishing room and back room; belt and pulley on fan.	Complied.
TYNGSBOROUGH.								
Upton Mills,	Boxes,	15	2	—	—	Fair, .	Guard belt in upper room, . .	Complied.
LAWRENCE.								
Josselyn's Iron Foundry, . .	Castings,	42	—	—	—	Good, .	Guard set screws and fly wheel, .	Complied.
Pemberton Mills,	Cotton goods, . .	263	440	—	56	Good, .	Guard set screws and two belts, .	Complied.

Atlantic Cotton Mill, . . .	Cotton goods, . . .	320	807	-	66	Good, .	Guard set screws, belts and elevator well; repair safety device; set screws on warping machine.	Complied.
Everett Mills, . . .	Cotton goods, . . .	600	700	-	75	Good, .	Guard set screws, two fly wheels, gears and set screws on calendar and pulleys on winder; repair safety device.	Complied.
J. H. Horn & Son, . . .	Paper machinery, . . .	60	-	-	-	Good, .	Guard set screws, . . .	Complied.
Emerson Mfg. Co., . . .	Paper machinery, . . .	45	-	-	-	Good, .	Guard belt and set screws, . . .	Complied.
Wheel Co., . . .	Wheels, . . .	30	-	-	-	Good, .	Guard set screws, fly wheel and crank shaft.	Complied.
Standley Mfg. Co., . . .	Shoe machinery, . . .	223	2	-	-	Good, .	Guard set screws, . . .	Complied.
Boston & Maine Repair Shop, . . .	Repairing cars, . . .	222	-	-	-	Good, .	Guard set screws, fly wheel and belt.	Complied.
Emmons' Loom Harness Co., . . .	Loom harnesses, . . .	91	59	-	3	Good, .	Guard set screws, belt on brushing machine, fly wheel and belt.	Complied.
A. B. Bruce, . . .	Bread and crackers, . . .	39	1	-	-	Fair, .	Guard set screws and fly wheel, .	Complied.
W. H. Hanson, . . .	Dress goods, . . .	7	7	-	-	Good, .	Guard set screws, . . .	Complied.
C. H. Perkins & Co., . . .	Fire department's supplies, . . .	7	-	-	-	Good, .	Guard set screws, . . .	Complied.
Lawrence Lumber Co, . . .	Boxes, house finish, . . .	52	-	-	-	Good, .	Guard set screws, crank shaft, fly wheel, belts and pulleys on two moulding machines, belts on edger, resaw and double planes.	Complied.
E. F. Childs, . . .	House finish, . . .	15	-	-	-	Good, .	Guard set screws and belt on machine.	Complied.
Beach Soap Co., . . .	Soap, . . .	19	3	-	-	Fair, .	Guard stairs; designate water-closet.	Complied.
O'Connor & Whelan, . . .	Laundered goods, . . .	2	4	-	-	Fair, .	Guard belt and set screws; designate water-closet.	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.		
LAWRENCE — <i>Continued.</i>							
Henry Elston,	Dress goods, .	3	2	—	—	Fair, .	Guard set screws; designate water-closet.
Carter's Machine Shop, .	Bobbing machinery.	4	—	—	—	Fair, .	Box belt; guard set screws; place railing around opening.
F. A. & P. Hall,	Spindles and flyers, .	10	—	—	—	Fair, .	Guard set screws,
Wright Mfg. Co.,	Braids,	4	45	—	—	Good, .	Guard fly wheel, belt and shafting on floor.
F. Hartley,	Scoured wool, .	45	—	—	—	Good, .	Guard set screws on collars of shafting.
Lawrence Machine Co., .	Pumps,	30	—	—	—	Good, .	Guard saw,
John Remick,	Patterns,	7	—	—	—	Good, .	Guard belt running through floor,
Blood's Machine Shop, .	Shafting and pulleys.	10	—	—	—	Good, .	Guard set screws, crank shaft and fly wheel.
Geo. Kunhardt,	Men's wear,	190	70	—	7	Good, .	Guard belts,
H. K. Webster & Co., . .	Ground feed,	6	—	—	—	Good, .	Guard set screws, shaft and stairs,
John Bingham,	Tin and copper ware.	48	1	—	1	Good, .	Guard set screws; procure one certificate.
Lawrence Family Laundry, .	Washing,	3	6	—	1	Good, .	Procure one certificate,
Telegram Printing House, .	Printing,	13	2	—	1	Good, .	Guard set screws and belt on dynamo.
American Publishing Co., .	Newspapers,	42	3	—	1	Good, .	Guard set screws and three belts,

Russell Paper Co., . . .	Paper, . . .	196	29	-	-	Good, .	Guard set screws, stairs in three basements, belt and two fly wheels, pulley on paper cutter, opening in floor of three rooms.	Complied.
Star Publishing Co., . . .	Printing, . . .	9	4	-	-	Fair, .	Designate water-closet, . . .	Complied.
City Flour Mills, . . .	Flour, . . .	17	-	-	-	Good, .	Guard set screws and belts on second floor.	Complied.
Lawrence Dye Works, . . .	Cloth, . . .	19	6	-	-	Fair, .	Guard set screws, fly wheel and belt on engine; box belt in attic.	Complied.
Monroe Felt and Paper Co., . . .	Paper, . . .	40	-	-	-	Fair, .	Guard set screws, pulleys and belts, four belts and pulleys in brick room.	Complied.
Farwell Bleachery, . . .	Bleached goods, . . .	108	12	-	1	Good, .	Guard set screws in two rooms, belt running through floor, fly wheel and belt.	Complied.
E. Frank Lewis, . . .	Scoured wool, . . .	100	-	-	-	Good, .	Guard pulleys and belt in five washing machines and fan; repair safety device.	Complied.
National Fiber Board Co., . . .	Leather boards, . . .	26	-	-	-	Fair, .	Guard pulleys and belts in machine room and basement, also belts in engine room.	Complied.
Bacon Paper Mills, . . .	Paper, . . .	34	6	-	-	Fair, .	Guard set screws; guard rail on platform and stairs; guard elevator well; extend rail in store house.	Complied.
Steadman & Smith, . . .	Worsted machinery, . . .	19	-	-	-	Good, .	Guard set screws, . . .	Complied.
Globe Worsted Mill, . . .	Worsted yarn, . . .	19	66	-	18	Good, .	Repair belt box; guard belt running through floor; repair floor in spinning room.	Complied.
Lawrence Supply Co., . . .	Mill supplies, . . .	12	-	-	-	Good, .	Guard stairs; box belt, . . .	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LAWRENCE — <i>Continued.</i>								
Kress Bros.,	Carriages and sleighs.	13	—	—	1	Fair, .	Guard all belts; repair elevator hatch; one certificate; new safety device.	Complied.
Lawrence Gas Co., . . .	Power,	25	—	—	—	Fair, .	Guard five sets of belts and fly wheel,	Complied.
Lawrence Duck Co., . .	Cotton duck, . . .	85	50	—	4	Good, .	Guard set screws in three rooms; file two certificates.	Complied.
Merrimack Paper Co., . .	Paper,	26	7	—	—	Good, .	Guard set screws, belt and shipper on calender	Complied.
Kimball Bros.,	Shoes,	240	85	—	5	Good, .	File one certificate,	Complied.
Briggs & Allyn,	Doors, sashes, mantels, bobbins and shuttles.	100	—	—	—	Good, .	Guard set screws, belt on jig saw, belt and pulley on sticker moulder.	Complied.
Connor & Fletcher, . . .	Laundered clothes,	3	10	—	—	Good, .	Guard belt hole, pulley and belt; designate water-closets; post time notice.	Complied.
Merrimack Paper Co, . .	Paper,	80	35	—	—	Good, .	Guard set screws in four rooms, pulley and shaft belt on dynamo, pulley on two Jordan engines.	Complied.
E. W. Sanborn,	Sashes, doors and blinds.	8	—	—	—	Fair, .	Guard set screws, two belts, belt on boxing machine, belt and opening in upper room.	Complied.

Townsend's Laundry Co., . . .	Laundered clothes, . . .	4	8	-	Fair, .	Guard set screws; box pulley in mangle; post time notice; designate water-closets.	Complied.
Dillon Machine Co., . . .	Paper mill machinery.	9	-	-	Good, .	Guard pulley and belt on planing machine.	Complied.
James Paterson & Co., . . .	Dress goods, . . .	2	4	-	Good, .	Guard set screws, . . .	Complied.
Watts Regulator Co., . . .	Iron and brass goods.	6	-	-	Good, .	Guard set screws, belts and pulleys, .	Complied.
J. W. Farnam & Son, . . .	Carriages, . . .	9	-	-	Good, .	Guard belt and pulley, . . .	Complied.
Bryant & Son, . . .	Wagons, . . .	8	-	-	Good, .	Guard set screws and three belts, .	Complied.
Burnham & Page, . . .	Leather belting, . . .	24	-	-	Good, .	Guard set screws on shafting, . .	Complied.
Lawrence Gas Co., . . .	Gas and electric, . . .	38	-	-	Good, .	Guard set screws, belt in electric room, line of large pulley and one side of small pulley; rail around condenser, belt and fly wheel on pump house.	Complied.
Beach Rendering Works, . . .	Soap and glue, . . .	4	-	-	Fair, .	Guard set screws and two fly wheels on engine.	Complied.
Edward Page & Co., . . .	Brooms, . . .	4	1	-	Fair, .	Designate water-closets, . . .	Complied.
Lawrence Boiler Works, . . .	Boilers, . . .	10	-	-	Good, .	Guard fly wheel on engine, . . .	Complied.
The D. W. Pingree Co., . . .	Boxes, . . .	70	-	-	Good, .	Guard set screws, fly wheel and crank shaft of engine.	Complied.
Spicket Mill, . . .	Loom picker, . . .	21	3	-	Good, .	Guard fly wheel on engine; place rail around trap door.	Complied.
Essex Box Co., . . .	Paper boxes, . . .	8	2	-	Good, .	Guard set screws, . . .	Complied.
Everett Mills, . . .	Cotton goods, . . .	592	654	-	Good, .	Guard belt and pulley on pump, belt and pulley on elevator machine, belt running through floor.	Complied.
W. R. Hamilton & Son, . . .	Wool, . . .	30	-	-	Good, .	Guard set screws, . . .	Complied.
Bay State Dye House, . . .	Dyed goods, . . .	9	5	-	Fair, .	Guard set screws, . . .	Complied.
Lawrence Steam Dye Works, . . .	Dyed goods, . . .	9	5	-	Fair, .	Guard two belts and rail on stairs, .	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LAWRENCE — Continued.								
Tree's Dye House,	Dyed goods,	3	2	—	—	Good, .	Guard set screws and belt running through floor.	Complied.
Pioneer Bundle Wood Co., .	Mallets and kindling.	3	—	—	—	Fair, .	Guard set screws,	Complied.
H. J. Couch & Son,	House finish,	25	—	—	—	Fair, .	(Guard set screws,	Complied.
Thomas O'Brien,	House finish,	7	—	—	—	Fair, .	Guard set screws and belts in two rooms.	Complied.
James Flanagan,	House finish,	3	—	—	—	Fair, .	Guard set screws, belt running through floor, belt on planing machine; rail in folding door.	Complied.
H. J. Furneaux,	Sausages,	6	—	—	—	Fair, .	Guard set screws and belt on engine, Guard back door; designate water-closet.	Complied.
W. E. Rice Co.,	Book bindings,	5	3	—	—	Fair, .	Guard belt on looms running through floor.	Complied.
Pemberton Co.,	Cotton goods,	200	650	—	48	Good, .	Belts and pulleys on hot dryer; guard three fly wheels and two belts in engine room.	Complied.
E. M. Slayton & Co., . . .	Cold air,	9	4	—	—	Good, .	Guard pulley and belt in raceway, belt running through floor, fly wheels in engine room, pulley on engine, belt and pulley on fan.	Complied.
Arlington Woolen Mills, . .	Dress goods,	1,326	1,200	—	257	Good, .		

D. W. Pingree Co., . . .	Boxes,	25	-	-	Good, .	Guard set screws and two fly wheels on engine.	Complied.
Cold Spring Brewing Co., .	Lager and beer, .	15	-	-	Good, .	Guard fly wheels on engine, .	Complied.
E. A. Dick Lumber Mill, .	House finish, .	15	-	-	Good, .	Guard belt and pulley on band saw, buzz planer, variety planing machine, pulley and gears on planing machine, two fly wheels on engine, one circular saw.	Complied.
Lawrence Dye Works, .	Worsted cloth, .	15	5	-	Good, .	Guard two belts and pulleys, .	Complied.
Geo. Smith, . . .	House finish, .	24	-	-	Good, .	Guard pulley on band saw, .	Complied.
F. Bryon, . . .	Brass castings, .	7	-	-	Good, .	Guard set screws in collars of shafting.	Complied.
Pacific Mills, . . .	Cotton, worsted and print goods.	2,321	1,762	-	Good, .	Guard set screws in thirteen rooms, three fans in wall, pulley on printing engine, two crank shafts on engines and one fly wheel on engine.	Complied.
Atlantic Cotton Mill, . .	Cotton goods, .	410	742	-	Good, .	Guard large pulley in Mr. Wells' room.	Complied.
Lawrence Lumber Co., . .	Boxes, . . .	60	-	-	Good, .	Guard set screws in grinding room and belt in engine room.	Complied.
E. F. Childs, . . .	House finish, .	15	-	-	Good, .	Guard belts and pulleys on surface planer, belt on jig saw and moulding machine.	Complied.
Rancort & Laplante, . .	House finish, .	15	-	-	Good, .	Guard pulley and belts on planing machine.	Complied.
Henry Elston, . . .	Dress goods, .	5	2	-	Good, .	Guard belt and pulley, . . .	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LAWRENCE—Concluded.								
Washington Mills, . . .	W o l e n a n d worsted d r e s s goods.	1,400	3,000	-	343	Good, .	Guard set screws in three rooms, three belts on presses, three belts and holes and two belts running through floor in dynamo room, two belts and pulley on Arming-ton & Sims engine, belt and pulley on Ray washer, four belts on blower, fly wheel on engine (carpenter's shop), rail on plat-form and stairs in Mr. Bacon's room.	Recent or-der.
LOWELL.								
Manning's Corn Cake, . . .	Corn cake, . . .	12	-	-	-	Good, .	Guard opening in floor, . . .	Complied.
Otis Allen & Son, . . .	Boxes, . . .	80	-	-	1	Good, .	Guard opening in floor; guard set screws.	Complied.
Dennis & Co.'s Machine Shop, . . .	Leather machinery, . . .	7	1	-	-	Fair, .	Guard set screws, . . .	Complied.
J. T. Carter & Co., . . .	Wood workers, . . .	4	-	-	-	Good, .	Guard set screws, belt and stairs, .	Complied.
D. Lovejoy & Son, . . .	Machine knives, . . .	25	-	-	-	Fair, .	Guard set screws on shafting and grinders.	Complied.
Lawrence Mfg. Co., . . .	Hosiery, under-er- wear and cotton flannels.	1,638	2,921	-	340	Good, .	Guard set screws on shafting, knit-ting machines, belt holes, crank shaft and space in engine room.	Complied.

Wamesit Power Co., . . .	Power, . . .	6	-	-	Good, .	Guard set screws, crank shaft, pulleys on octagon looms and belt in machine shop; repair stairs.	Complied.
Sherwood's Glue Factory, . .	Glue, . . .	6	-	-	Good, .	Guard set screws on shafting and fans.	Complied.
Robert Payton & Son, . . .	Hosiery, . . .	7	5	-	Good, .	Guard three belts and shafting under knitting machines.	Complied.
Boston & Maine, . . .	Repair shop, . . .	4	-	-	Good, .	Guard fly wheel on engine, . . .	Complied.
Boott Cotton Mills, . . .	Cotton goods, . . .	886	1,099	1	Good, .	Guard set screws on shafting, pulleys of looms, three belts, fly wheel, stairs and belt hole; repair elevator hatches.	Complied.
Novelty Plaster Works, . . .	Plasters, . . .	9	9	1	Good, .	Guard set screws and stairs, . . .	Complied.
Merrimack Mfg. Co., . . .	Cotton goods, . . .	1,724	1,171	-	Good, .	Guard set screws in shafting and pulleys of looms.	Complied.
Moxie Nerve Food Co., . . .	Moxie, . . .	11	1	-	-	Guard belt, fly wheel, stairs and belt holes.	Complied.
Lowell Weaving Co., . . .	Duck, . . .	18	44	-	Good, .	Guard belt holes in floor, . . .	Complied.
New England Bunting Co., . .	Bunting, . . .	15	35	-	Good, .	Guard set screws and crank shaft, .	Complied.
Parker & Sons, . . .	Bobbins, . . .	225	-	-	Good, .	Guard opening in floor, . . .	Complied.
Ready's Boiler Works, . . .	Boilers, . . .	10	-	-	Fair, .	Guard flange punch, . . .	Complied.
Amraytoon Tube Co., . . .	Paper tubes, . . .	16	10	-	Good, .	Guard pulleys on paper splitters and core machine.	Complied.
Thompson's Box Shop, . . .	Boxes, . . .	31	-	-	Fair, .	Guard set screws, belts and fly wheels.	Complied.
Lowell Waste Co., . . .	Waste, . . .	7	16	-	Good, .	Guard set screws and belt on dynamo engine.	Complied.
W. H. Bagshaw, . . .	Mill supplies, . . .	21	-	-	Fair, .	Guard belt on grinding machine, .	Complied.
Massachusetts Cotton Mill, . .	Cotton goods, . . .	600	1,400	-	Good, .	Guard belts on elevator drum and through floor in section nine, belt in McKay's room, fly wheel of engine in basement of cloth room.	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
LOWELL—Continued.								
City's Carpenter Shop,	House finish,	18	—	—	Good,	Guard set screws,	Guard belts and pulleys on irregular moulder.	Complied.
W. E. Hatch,	Doors, sashes and blinds.	11	—	—	Good,	Guard shafting under sewing-machine table.			Complied.
Thorndike Mfg. Co.,	Suspenders,	20	43	—	Good,	Procure one certificate,	Guard belt and pulley on dynamo; post legal labor notices.	Complied.
J. M. Stover,	Shoes,	175	75	—	Good,	Guard set screws in collars of shafting, shaft on circular saw, belts and pulleys on sticker machine, fly wheel on pumps, screws on shaft of planer.			Complied.
P. J. Riley,	Cotton waste,	5	5	—	Good,	Guard belt and pulley on the motor,	Guard belt running through floor, second story, belt and pulley on first floor.	Complied.
Lowell Machine Shop,	Cotton machinery,	1,426	—	—	Good,	Guard set screws in collars of shafting.			Complied.
Lowell Daily News,	Newspapers,	7	4	—	Good,	Guard belt and pulley on the motor,	Guard belt running through floor, second story, belt and pulley on first floor.	Complied.
O. D. Wilder,	Ground grain,	5	—	—	Good,	Guard set screws in collars of shafting.			Complied.
I. O. Adams,	Furniture,	5	—	—	Good,	Guard set screws and belts in basement.	Guard two openings in floor,	Complied.
S. H. Jones,	Steam feltings,	15	—	—	Good,	Guard two openings in floor,			Complied.
Thomas F. Fay,	Wagons,	3	—	—	Good,	Guard two openings in floor,	Complied.	

Alphonse Bibault, . . .	House finish, . . .	30	-	-	-	Good, .	Guard two belts on first floor; box shaft in basement.	Complied.
N. E. Bunting Co., . . .	Bunting, . . .	25	50	-	-	Good, .	Procure two certificates, . . .	Complied.
Locks and Canal Co., . . .	Repairs, . . .	9	-	-	-	-	Guard set screws on planing machine, also pulley on planer.	Complied.
Lamson Consolidated Store Service Co. . . .	Cash carriers, . . .	73	-	-	-	Good, .	Guard belt and pulley on jig saw, belt and pulley on boring machine.	Complied.
American Wire Goods Co., . . .	Wire goods, . . .	9	1	-	-	Good, .	File two certificates, . . .	Complied.
Shaw Stocking Co., . . .	Hosiery, . . .	60	165	-	-	Good, .	File two certificates, . . .	Complied.
Haworth & Watson, . . .	Paper tubes, . . .	23	11	-	-	Good, .	File one certificate, . . .	Complied.
William L. Goss, . . .	Caskets and coffins. . . .	3	-	-	-	Good, .	Guard belts and pulleys on grindstone shafting.	Complied.
John Tripp, . . .	Rail coverings, . . .	16	-	-	-	Good, .	Repair floor, . . .	Complied.
Kitson Machine Shop, . . .	Cotton and woolen machinery. . . .	247	2	-	-	Good, .	Guard opening in floor in engine room.	Complied.
Sawyer Carriage Co., . . .	Carriages, . . .	20	-	-	-	Good, .	Guard belt near band saw, . . .	Complied.
A. Bachelder & Co., . . .	Bungs, . . .	12	-	-	-	Fair, .	Guard fly wheel in engine room, . . .	Complied.
Herald Publishing Co., . . .	Printing, . . .	3	3	-	-	Fair, .	Guard belt on dynamo and belt on printing press.	Complied.
F. B. Hill & Co., . . .	Carriages, . . .	15	-	-	-	Good, .	Guard set screws, . . .	Complied.
Boutwell Bros., . . .	Iron, . . .	7	-	-	-	Fair, .	Guard dynamo and belt, . . .	Complied.
Belvidere Steam Laundry, . . .	Laundered clothes, . . .	6	6	-	-	Good, .	Guard set screws, belt on extractor, pulleys and belt on engine; designate water-closet; post time table.	Complied.
People's Hand Laundry, . . .	Laundered clothes, . . .	3	1	-	-	Fair, .	Guard belt and pulley on engine and belt on neck-band machine; post time table; designate water-closet.	Complied.
B. H. Fletcher, . . .	Hats bleached, . . .	3	5	-	-	Fair, .	Guard set screws and shafting under sewing-machine tables; designate water-closet.	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL — Continued.								
Whittier Cotton Mills, . . .	Cotton goods, .	22	27	—	—	Good, .	Guard set screws on washing and squeezing machines; repair two elevator hatches.	Complied.
Hamilton Mfg. Co., . . .	Cotton goods, .	914	1,232	—	83	Good, .	Guard set screws in six rooms, trap door in attic, belts in carpenter's shop, belts in engine room, fans in wall, pulley and belt on tractor; elevator hatches to repair in four rooms; guard belt and pulleys in starch and dyeing machines, pulley and belt on padding machine; stairs to repair in printing room; guard pulley on scouring machine.	Complied.
Lowell Steam Carpet and Cleansing Works.	Carpets cleansed, .	7	—	—	—	Good, .	Guard set screws and fly wheel on engine.	Complied.
L. D. Gumb,	Granite works, .	12	—	—	—	Good, .	Guard fly wheel of engine; repair stairs and place rail on same.	Complied.
Middlesex Machine Co., . . .	Steam and gas fitters.	19	1	—	—	Good, .	Guard belt on dynamo, . . .	Complied.
J. T. Adams,	Repairing, . .	3	—	—	—	Good, .	Guard fly wheels on engine and pulleys on circular saw.	Complied.
Bay State Dye House, . . .	Dyed goods, .	2	3	—	—	Fair, .	Designate water-closet, . . .	Complied.

Consumers' Brewing Co.,	Ale and beer,	50	-	-	Good,	Guard belts and pulleys in bottling house.	Complied.
Excelsior Knitting Co.,	Ladies' underwear,	2	6	-	Good,	Remove set screws; guard fly wheel of engine.	Complied.
Union Iron Foundry,	Castings,	31	-	-	Fair,	Guard fly wheel of engine,	Complied.
J. C. Ayer & Co.,	Patent medicines,	93	84	-	Good,	Guard belt, set screws, keys on printing machine.	Complied.
Lowell Mfg. Co.,	Carpets and rugs,	870	1,001	-	Good,	Guard shaft, gear on cotton picker, belt running through floor in ingrain room; platform in wool wasting room.	Complied.
Lowell Wire Works,	Wire goods,	10	-	-	Fair,	File two certificates,	Complied.
W. W. Cary,	Wood-working machinery.	27	-	-	Good,	Guard circular saw,	Complied.
John D. Turner,	Jack screws,	5	-	-	Good,	Guard two belts,	Complied.
C. J. Hood & Co.,	Patent medicines,	120	250	-	Good,	Guard pulleys on mixer, fly wheel on fan engine.	Complied.
Wright Co.'s Machine Shop,	Lathes,	20	-	-	Good,	Guard set screws, belts and pulleys in basement.	Complied.
Pratt & Towest,	Sashes and blinds,	15	-	-	Good,	Guard three circular saws, belt running through floor and opening in floor of same.	Complied.
Thorndike Mfg. Co.,	Suspenders,	30	64	-	Good,	Guard belts and belt holes near looms.	Complied.
Appleton Co.,	Cotton goods,	400	600	-	Good,	Repair floor in No. 2 weave room; guard pump arm in engine room.	Complied.
W. E. Livingstone,	Ground grain,	7	-	-	Fair,	Guard crank shaft and fly wheel, gear in gear room; rail on stairs.	Complied.
Hyland Steam Laundry,	Goods laundered,	5	15	-	Good,	Guard fly wheel, belt; rail on stairs.	Complied.
Lowell Felting Mills,	Hair felt,	17	-	-	Fair,	Guard belts on picker machine, stairs off back room.	Complied.

DISTRICT No. 11 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LOWELL—Continued.							
Belvidere Mill No. 2, . . .	Woolen dress goods.	65	50	—	Good.	Guard pulleys and belts on three steam presses.	Complied.
U. S. Bunting Co., . . .	Worsted goods, .	300	410	—	Good.	Guard set screws in two rooms, two fly wheels, stairs; repair elevator door and safety device to elevator.	Complied.
Belvidere Tannery, . . .	Leather, . . .	80	—	—	Fair.	Guard set screws, belt running through floor; rail on stairs	Complied.
Steam Tannery and Supply Co.,	Mill supplies, .	16	—	—	Fair.	Belt on looms; rail on stairs; belt through floor.	Complied.
Frank Perkins, . . .	Machinists' tools, .	20	—	—	Good.	Guard set screws and belt running through floor.	Complied.
F. J. Farr & Co., . . .	Cabinet work, .	3	—	—	Good.	Guard belt, . . .	Complied.
John Huntley, . . .	Sashes, doors and blinds.	6	—	—	Good.	Guard three belts, . . .	Complied.
Gee's Machine Shop, . . .	Machinery, . . .	5	—	—	Good.	Guard two belts running through floor.	Complied.
Lowell Hosiery Co., . . .	Hosiery, . . .	60	100	—	Good.	Guard belt on steam press, . .	Complied.
G. J. & D. Bradt, . . .	Crackers and bread,	12	—	—	Good.	Guard set screws, . . .	Complied.
Robert Carruthers, . . .	Reeds and looms,	17	6	—	Fair.	Guard set screws and shaft on floor; designate water-closet.	Complied.
American Wire Co., . . .	Wire goods, . . .	15	3	—	Fair.	Designate water-closet, . . .	Complied.
Cheney's Box Shop, . . .	Boxes, . . .	40	—	—	Good.	Guard fly wheel of engine, . .	Complied.

J. Smyth, Butterfield's Printing and Bindery Co	Piano stools, Printing, . . .	4 16	- 4	- -	Good, Good, . . .	Box belt; guard set screws, Guard set screws, . . .	Complied. Complied.
American Bolt Co., . . .	Bolts, . . .	99	1	-	Fair, . . .	Guard pulley on punching press; procure two certificates.	Complied.
Lowell Bleachery, . . .	Bleaching cotton goods.	185	31	-	Good, . . .	Guard set screws on shafting and sprinkler, belt on machine in starch room, belt on calender in dye house and pulley on water mangle; procure one certificate.	Complied.
H. E. Heselton, . . .	Brushes, . . .	1	2	-	Good, . . .	Guard shaft on floor, . . .	Complied.
Marshall & Crosby, . . .	Furniture, . . .	28	-	-	Good, . . .	Guard planing machine, . . .	Complied.
William Cleworth & Son, Lowell Electric Light Corpora- tion.	Reed mfg., . . .	6	-	-	Good, . . .	Guard set screws, . . .	Complied.
	Power, . . .	35	-	-	Good, . . .	Guard belts and pulleys, opening in floor.	Complied.
A. P. Bateman, . . .	Sashes and blinds, Stair builders, . . .	21 4	- -	- -	Good, Good, . . .	Guard belts and two saws, . . . Guard belt on surface planer, also belt on irregular moulder and circular saw.	Complied. Complied. Complied.
Cumming's Box Shop, Holmes & Bray, . . .	Boxes, . . . House finish, . . .	5 18	- -	- -	Good, Good, . . .	Guard buzz planer, . . . Guard belts and buzz planer, . . .	Complied. Complied.
J. Gates & Son, . . .	Belting, . . .	10	-	-	Good, . . .	Guard set screws, . . .	Complied.
Derby & Morse, . . .	Electrical ma- chinery.	14	-	-	Good, . . .	Guard belt on dynamo and belt run- ning through floor.	Complied.
Simpson & Rowland, . . .	Ground spices, . . .	8	2	-	Good, . . .	Guard set screws, belts and pulleys on spice machines and dynamo.	Complied.
Middlesex Laundry, . . .	Washed clothes, . . .	8	22	-	Good, . . .	Guard two belts in upper room; procure certificate.	Complied.
Criterion Knitting Co., Lowell Co-operative Milk Asso- ciation.	Knit goods, . . . Butter, . . .	20 9	40 -	- -	Good, Good, . . .	Guard fly wheel on engine, . . . Guard set screws on collars of shaft- ing in two rooms, also two fly wheels on engine.	Complied. Complied.

DISTRICT No. 11 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.		
LOWELL— <i>Concluded.</i> Jewett & Swift,	Beef,	10	—	—	—	Good, .	Complied.
Lowell and Suburban Railroad Co.	Power,	14	—	—	—	Good, .	Partly complied.
Herald Publishing Co., . .	Newspapers, . .	3	2	—	1	Fair, .	Complied.
U. S. Bunting Co.,	Woollen dress goods.	150	350	—	45	Good, .	Complied.
Knowles Scale Works, . . .	Scales,	6	—	—	—	Good, .	Complied.
W. H. Parker & Sons, . . .	Bobbins and spools.	165	—	4	—	Fair, .	Complied.
M. G. Wight & Co.,	Blank books, . .	4	—	—	1	Good, .	Complied.
Beaver Garment Co.,	Leggings,	2	13	—	—	Good, .	Complied.
Pumping Station,	Power,	4	—	—	—	Good, .	Complied.
Stone Crusher,	Crushed stone, . .	32	—	—	—	Good, .	Complied.

REPORT OF INSPECTRESS FANNY B. AMES.

I have had occasion several times during the year to report to you the excellent arrangements made by some of the larger mercantile firms for the comfort and welfare of their women employees; and it has seemed desirable to call attention more fully to the conditions affecting women and children employed in mercantile establishments throughout the State. The present legislation affects these in but three respects: 1. Hiring of children; 2. Providing seats for women; 3. Providing separate closets for the sexes, where two women are employed, and their sanitary condition.

But it is a growing custom in all the larger and older houses to do more than this. In most of them there are well-appointed dining-rooms, furnished with tables and chairs, and gas stoves for cooking and heating food; retiring rooms with couches and medicine closet for cases of sudden illness, and an attendant in charge. There are, besides, many kindly arrangements made for vacations and other absences. Many of the women, too, have found scope for business ability beyond the ordinary. One, who usually stands behind the counter of a department, told me that she was sent abroad by her firm to buy lace; visited several countries and noted foreign cities, lived at the best hotels, went and came on one of the best steamers, and with her party was permitted many extra pleasures of sight-seeing,—all at the expense of the firm. Her knowledge of lace and good business sense was worth all this.

But the other side of the story, and one which shows the need of every alleviation which invention and the sympathy of the employer can afford, is found in the excessive strain which the huge modern store imposes on all employed. The constant presence of a crowd; the necessity of continual alertness, attention, accuracy and courtesy; the irritation consequent on long standing, elbowed by fellow workers, who are not always considerate of the comforts or rights of their companions,—all tend to a nervous strain which may well break down the strongest. If to this be added the discomfort of no proper place where a noon rest can be taken and lunch eaten hot and decently, the strain is much greater. The following extract from a working girl's note will tell the story from her side:—

We have no proper place to heat our tea or coffee,—only a room opening from the water-closet. Once in a while we steal a chance to make cocoa over the gas. We do not earn enough to go out and buy a dinner, so you can guess that we are not very comfortable. There is

no place to rest or to which we can go if we are sick, when a few minutes' rest would often be enough; but now we must stay behind the counters in misery. The girls are faithful and conscientious, and I think it is only fair that they should be given some decent place of rest. Of course we hold back to ask for such, each one fearing she will lose her work.

Here was a case where the inspector could only "suggest" corrections. But alas! the employer declared he "neither kept a restaurant nor a hospital," and declined to consider any change in his present arrangements.

The bad ventilation of most stores also affects seriously the health and contributes to the nervous strain of women and children employed. Many stores have introduced mechanical ventilation, with exhaust fans; but the great number of persons to a given area and the necessity of utilizing air space overhead by displaying goods make good ventilation practically impossible. All these conditions—the crowd, the narrow space given each worker, the strain, the bad air—make life in a great store more of a tax on nerve force than that in a cotton factory. When it is remembered that each employee in a mill is practically isolated, and has great floor and overhead space; that the noise is monotonous, and soon grows soothing (a worker once said to me that it rested her "like a great silence"),—it will be seen that the store compares very unfavorably.

In regard to hours of employment, in the absence of legislation, except as it refers to minors, most of the large stores have adopted the custom of short hours for all the summer months; that is, opening at 8 A.M. and closing at 5 or 5.30 P.M. After the Christmas holidays of last year a public suggestion that the shorter hours be resumed was very generally adopted and kept up till the spring trade had fairly opened. But in two or three stores in Roxbury, several in South Boston, East Boston, Chelsea, and two in Boston proper, the hours are often seventy-two each week, running till 10 and 11 at night. In the towns and cities throughout the State evening opening is the rule. As the law limits the employment of minors to sixty hours per week, it is stipulated that if evening service is required the hour of beginning should be placed late enough to comply with the law.

In sanitary matters, as well as in the extra accommodations, the small stores fall behind the large ones; but it should also be said that the strain is not so great and the relations with employers more direct.

Another feature of the crowded, modern city life, which necessitates the utilization of every bit of space for purposes of profit,

is the use of basements and cellars. Hundreds of men, women and children are employed every day for ten or more hours with no outside light reaching them, and no direct connection with the outside air except what comes through narrow windows on a level with the street pavement, and kept tightly closed all winter. The basements of stores used for salesrooms are not as bad as the cellars used for packing, sorting and shipping. Boys are usually employed here, but I have found women, also. In one instance the place was so unsanitary, with water-closet opening from it and not a particle of fresh air reaching it, that I appealed to the Board of Health, only to find them as helpless. Where the employment comes under the category of manufacturing, I have been able to close entirely an underground unsanitary workroom.

Summary.

Inspections made,	330
Orders issued,	92
Compliances,	84
Children under fourteen employed,	14
Children under sixteen employed,	633
Males (adult),	6,528
Females,	10,635
Total employed,	17,810
Mercantile establishments inspected,	116

SPECIAL DUTY,

FANNIE B. AMES, *Inspector*.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		NUMBER EMPLOYED.			14 to 16.				
		Males.	Females.	Under 14.					
BOSTON.									
George E. Homer,	Mercantile,	3	5	—	1	—*	Give women separate closet; procure certificate.	Complied.	
Conrad & Co.,	Mercantile,	4	35	—	1	Good,	Procure certificate,	Complied.	
Alexander Staoridas,	Mercantile,	1	3	—	—	Bad,	Clean closets; furnish seats,	Complied.	
A. Stowell & Co.,	Mercantile,	36	48	—	12	—*	Furnish certificates,	Complied.	
Gross & Strauss,	Mercantile,	25	70	—	4	Good,	Procure certificates,	Complied.	
S. A. McDonnell,	Mercantile,	1	3	—	1	Good,	Procure certificates,	Complied.	
W. N. Connor,	Mercantile,	1	2	—	1	Good,	Procure certificates,	Complied.	
J. M. Chanet,	Mercantile,	1	3	—	—	Good,	Post time schedules in workroom,	Complied.	
A. L. Gordon & Co.,	Mercantile,	5	13	—	—	Good,	Separate closet for women,	Complied.	
Roland McCurdy,	Mercantile,	2	21	—	1	Good,	Post time schedules in workroom,	Complied.	
St. Clair & Co.,	Mercantile,	4	6	—	—	Good,	Give women separate closet,	Complied.	
St. Clair & Co.,	Candy manufact- urers	4	5	—	—	Good,	Post time schedules,	Complied.	
J. Frank Bell,	Mercantile,	4	5	—	—	Good,	Furnish seats; separate closet,	Complied.	
A. L. McMullin,	Mercantile,	2	10	—	2	Poor,	Furnish seats; procure certificates; whiten and separate closet for women.	Complied.	
Ribbon Store, F. A. Fernekers,	Mercantile,	1	20	—	—	Good,	Furnish seats,	Complied.	
Wm. S. Butler & Co.,	Manufacturing,	—	22	—	—	Good,	Post time schedules,	Complied.	
H. A. Downs & Co.,	Mercantile,	1	12	—	—	Good,	Separate closets,	Complied.	
J. C. McCarthy,	Mercantile,	5	20	—	—	Good,	Furnish seats,	Complied.	

Chartier, . . .	Tailoring, . . .	1	10	-	-	-*	Post time schedules, . . .	Complied.
W. B. Crocker, . . .	Manufacturing, . . .	6	25	-	-	-*	Post time schedules, . . .	Complied.
Alexander Staoridas, . . .	Mercantile, . . .	3	8	-	-	Fair, . . .	Furnish seats; separate closets, . . .	Complied.
Henry S. Krey, . . .	Mercantile, . . .	8	33	-	11	Fair, . . .	Whiten closet; procure three certificates.	Complied.
The Hudner Beef Co., . . .	Mercantile, . . .	32	3	-	-	Good, . . .	Give women closet, . . .	Complied.
Samuel Bishop & Co., . . .	Tailoring, . . .	3	2	-	1	Fair, . . .	Procure certificate, . . .	Complied.
E. P. Lewis & Co., . . .	Mercantile, . . .	3	7	-	-	-*	Give women separate closet, . . .	Complied.
Sellers & Adler, . . .	Tailoring, . . .	3	2	-	-	Poor, . . .	Clean shop, . . .	Complied.
New England Tack Co., . . .	Tacks, . . .	4	2	-	2	Good, . . .	Designate closet; post time schedules; procure two certificates.	Complied.
George Langendorfer, . . .	Malt, . . .	2	2	-	-	Poor, . . .	Repair and clean closet; post time schedules.	-
H. F. Chase, . . .	Soap, . . .	2	10	-	-	Good, . . .	Post time schedules, . . .	Complied.
A. A. Rothenberg, . . .	Publishers, . . .	6	4	-	-	Poor, . . .	Give women closet, . . .	Complied.
Judd, Koys & Phillips, . . .	Tailoring, . . .	20	9	-	-	Poor, . . .	Clean shop; post time schedules, . . .	Complied.
Weinberg & Levy, . . .	Tailoring, . . .	10	5	-	-	Poor, . . .	Clean shop, . . .	Complied.
C. N. Giterman, . . .	Tailoring, . . .	8	5	-	1	Good, . . .	Procure certificate, . . .	Complied.
Stickney & Smith, . . .	Tailoring, . . .	17	15	-	-	Good, . . .	Post time schedules, . . .	Complied.
Stickney & Smith, . . .	Mercantile, . . .	3	9	-	2	Good, . . .	Procure two certificates, . . .	Complied.
Madame Charles, . . .	Dressmaking, . . .	1	14	-	-	-*	Post time schedules, . . .	Complied.
Pushce & Sons, . . .	Brushes, . . .	75	100	-	18	Good, . . .	Isolate badger skin worker; ventilate more fully.	Complied.
Roscoe A. Cobb, . . .	Ladies' waists, . . .	10	49	-	2	Good, . . .	Procure two certificates, . . .	Complied.
Charles A. Wheeler, . . .	Printing, . . .	12	15	-	-	Good, . . .	Designate women's closet, . . .	Complied.
Stone & Forsyth, . . .	Paper boxes, . . .	16	54	-	2	Good, . . .	Observe fifty-eight-hour law; designate closet.	-
Union Overalls Co., . . .	Overalls, . . .	5	10	-	-	Poor, . . .	Ventilate; post time schedules, . . .	Complied.
H. M. Plimpton & Co., . . .	Bookbinders, . . .	54	46	-	-	Good, . . .	Furnish additional closet, . . .	Complied.

* Excellent.

SPECIAL DUTY, FANNIE B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Concluded.								
Matthews Bros.,	Overalls,	3	15	—	Good, .	Post time schedules,	Complied.	
C. M. Mahler,	Ladies' waists, . .	2	20	—	Poor, .	Clean and separate closet; procure certificate.	Complied.	
Abrams & Jacobs, . . .	Tailoring,	8	9	—	Poor, .	Reported to Mr. Griffin, . .	—	
D. L. Harris,	Tailoring,	19	13	—	Good, .	Post time schedules,	Complied.	
Abrams & Sandler, . .	Tailoring,	7	2	—	Bad, .	Reported to Mr. Griffin, . .	—	
R. Isaacs,	Mercantile,	1	2	—	Poor, .	Repair closet,	Complied.	
M. A. Sullivan,	Mercantile,	1	4	—	Fair, .	Procure certificate,	Complied.	
B. Eldridge,	Mercantile,	3	5	—	Good, .	Procure certificate,	Complied.	
H. L. Diman,	Mercantile,	2	3	—	Good, .	Give women separate closets, .	Complied.	
Henry Halperin,	Tailoring,	7	5	—	Bad, .	Clean shop and closet; designate the latter.	Complied.	
Scolperetti & Co., . . .	Tailoring,	15	7	—	Fair, .	Clean shop and closet,	Complied.	
Levi Boraks,	Tailoring,	7	6	—	Fair, .	Post time schedules,	Complied.	
William Ackle,	Tailoring,	18	10	—	Fair, .	Notified Mr. Damrell of need of fire-escapes.	—	
Ipswich Mills,	Stockings,	10	248	2	Good, .	Procure certificates,	Complied.	
R. H. White & Co., . .	Millinery,	1	23	—	—*	Post time schedules,	Complied.	
Dennison Co.,	Mercantile,	2	10	—	—*	Furnish seats,	Complied.	
H. Levine,	Tailoring,	55	40	—	Fair, .	Procure certificates,	—	
Bernard Cautrovitch, .	Tailoring,	4	1	—	Fair, .	Post time schedules,	Complied.	
James E. Donovan, . . .	Tailoring,	2	22	—	Fair, .	Ventilate workroom,	—†	

William H. Kahle, Locke & Knox, . . .	Jewelry boxes, Shoe stock, . . .	6 12	3 47	- -	1 -	- -	Comp. Comp.
Abrahamson & Sandler, Standard Laundry, . . .	Tailoring, Laundry, . . .	8 4	1 54	- -	- 1	- -	Comp. Comp.
C. H. Housman, Raymond Syndicate, . . .	Pocket books, Mercantile, . . .	7 30	5 30	- 3	- 4	- -	Comp. Comp.
Wm. Krey & Co, . . .	Mercantile, . . .	7	18	2	8	-	Comp.
Boyle Bros, Walter M. Lowney Co., Fobes, Haywood & Co, Guyer Hat Co., . . .	Mercantile, Confectionery, Confectionery, Hats, . . .	10 60 80 69	10 300 150 45	- 2 -	- 24 10	- -	Comp. Comp. Comp.
F. W. Woolworth, . . .	Mercantile, . . .	20	100	-	1	-	Comp.
CAMBRIDGE. Lewis R. Speare Co., . . .	Laundry, . . .	40	100	-	3	-	-
LYNN. Thos. W. Rogers, . . .	Mercantile, . . .	9	14	-	-	-	-
P B Magrane, . . .	Mercantile, . . .	34	51	-	-	-	Comp.
McMullin & Pierce, . . .	Mercantile, . . .	1	7	-	-	-	Comp.
SALEM. Briggs & Wilkins, The Crescent, . . .	Mercantile, . . . Mercantile, . . .	2 1	5 5	- -	1 -	- -	Comp. -

* Excellent.

† Not satisfactory.

SPECIAL DUTY, FANNIE B. AMES, *Inspectress — Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
SALEM — <i>Concluded.</i>									
B. B. Price,	Mercantile,	5	6	—	—	Fair,	Give women accessible closet,	Complied.	
The Bee Hive,	Mercantile,	5	35	—	1	Good,	Procure certificate,	Complied.	
SPRINGFIELD.									
Paris Cloak Co.	Mercantile,	1	5	—	—	Good,	Designate closet,	Complied.	
D. H. Brigham,	Manufacturing,	3	15	—	—	Good,	Post time tables,	Complied.	
McKeon & Co.,	Mercantile,	2	5	—	1	Good,	Procure certificate,	—	
F. W. Woolworth & Co.,	Mercantile,	3	17	—	2	—*	Procure two certificates,	—	
WALTHAM.									
Boston Mfg. Co.,	Knitted underwear,	75	125	—	9	—*	Designate closet,	Complied.	
Lawrence Reilley,	Mercantile,	2	4	—	—	Good,	Give women separate closet,	—†	
WORCESTER.									
New England Overalls Co.,	Overalls,	2	9	—	—	Poor,	Give women closet; post time schedules.	—	
Gross, Strauss Co.,	Mercantile,	5	24	—	—	Good,	Get certificate,	Complied.	
Jno. C. Maginnis & Co.,	Mercantile,	83	83	—	—	Poor,	Clean closet,	Complied.	
A. S. Lowell & Co.,	Mercantile,	5	20	—	2	Good,	Procure certificate,	Complied.	
Denholm, McKay & Co.,	Mercantile,	139	155	—	20	Good,	Dismiss children under thirteen,	Complied.	

* Excellent.

† Suit brought for non-compliance.

SPECIAL DUTY,

MARY E. HALLEY, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
FALL RIVER.							
Wampanoag Mill No. 1,	Print cloth, .	212	141	33	Good, .	Procure four school certificates, .	Complied.
Wampanoag Mill No. 2,	Print cloth, .	163	294	22	Good, .	Procure one school certificate, .	Complied.
Davol Mills,	Fancy prints, .	266	139	12	Poor, .	Order by Inspector Tierney for sanitary arrangements.	-
Iron Works Mills, . .	Print cloth, .	1,002	1,514	137	Good, .	Place specifications on all piece work.	Complied.
Kerr Thread Mill, . .	Thread, .	255	283	44	Good, .	Procure two school certificates, .	Complied.
Fall River Bleachery, .	Bleaching, .	228	87	14	Good, .	Procure two school certificates, .	Complied.
Tecumseh Mill No. 1, .	Print cloth, .	200	300	16	Poor, .	Provide new sanitary arrangements throughout entire mill.	Complied.
Quinn, Woodlaw & Co., .	Dry goods, .	5	2	1	Good, .	Procure certificate,	Complied.
Knox & Charlton, . .	Dry goods, .	6	11	1	Good, .	Procure certificate,	Complied.
Robeson Mill,	Print cloth, .	165	185	8	Good, .	Keep closets and sink room clean; verbal order for curtains.	Complied.
Flint Mill,	Print cloth, .	250	275	32	Good, .	Place specifications on all piece work.	Complied.
Border City Mills, . .	Print cloth, .	449	589	51	Fair, .	Provide new water pipes in No. 2 mill; put in ventilating fan.	Complied.
Estes Mill,	Warping, .	24	75	7	Good, .	Provide seats for women; procure two school certificates.	Complied.
Tecumseh Mill No. 2, .	Print cloth, .	459	300	13	Good, .	Procure school certificate, . .	Complied.
Richard Borden No. 1, .	Print cloth, .	198	208	17	Good, .	Procure three school certificates, .	Complied.

SPECIAL DUTY, MARY E. HALLEY, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
FALL RIVER — <i>Concluded.</i>							
Richard Borden No. 2,	Print cloth, .	132	183	10	Good, .	-	-*
Pocassett Mills, .	Print cloth, .	451	335	56	Bad, .	-	-†
Flint Mill, .	Print cloth, .	260	300	61	Good, .	Procure three school certificates,	Complied.
Barnard Mills, .	Fine prints, .	140	160	30	Good, .	-	-*
Globe Yarn Mills Nos. 1 and 2,	Fine yarn, .	465	490	60	Good, .	Post time notices, .	Complied.
Merchants' Mill, .	Print cloth, .	420	450	84	Good, .	Procure four school certificates, .	Complied.
Merchants' Mill No. 3,	Print cloth, .	170	210	14	Good, .	Procure one school certificate, .	Complied.
New York Store, .	Dry goods, .	20	60	5	Fair, .	Provide extra closet, .	In process.
New York Store, .	Dry goods, .	20	60	5	Fair, .	Provide school certificate, .	Complied.
J. Skelley, .	Boots and shoes, .	46	10	7	-	Provide school certificates, .	Complied.
Narragansett Mill, .	Print cloth, .	190	320	50	Fair, .	Provide seats for women; provide extra closet in spooling room.	Complied.
Mechanics' Mill, .	Print cloth, .	252	269	30	Fair, .	Procure one certificate, .	Complied.
Laurel Lake Mill, .	Print cloth, .	310	240	1	Fair, .	Provide two school certificates; provide seats for women in spinning room.	Complied.
White Mill, .	Print cloth, .	348	175	22	Good, .	Procure two school certificates; post specifications on spooler frames.	Complied.
NEW BEDFORD.							
Moynan & Co., .	Dry goods, .	23	50	4	Good, .	Procure school certificate, .	Complied.
Pierce Mill, .	Print cloth, .	301	290	27	Good, .	Send illiterate minor to evening school.	-

Wamsutta Mills,	.	.	.	Print cloth,	.	1,096	926	—	124	Good,	.	Procure two certificates,	.	.	Completed.
Tabor Art Co.,	.	.	.	Pictures, etc.,	.	178	100	—	5	Good,	.	Provide one certificate,	.	.	Completed.
Pierce Mill,	.	.	.	Print cloth,	.	301	290	—	33	Good,	.	Place specifications on all piece work at expiration of time allowed.	.	.	Completed.
Columbia Mills Nos. 1 and 2,	.	.	.	Yarn,	.	280	270	—	52	Good,	.	Procure three certificates,	.	.	Completed.
Grinnell Mills Nos. 1 and 2,	.	.	.	Yarn,	.	483	407	—	34	Good,	.	Place specifications in weave room,	.	.	Completed.
Bennett Mills Nos. 1 and 2,	.	.	.	Yarn,	.	400	500	—	61	Good,	.	Procure certificate,	.	.	Completed.
E. B. Whiting,	.	.	.	Mercantile,	.	14	14	—	3	Good,	.	Procure one certificate,	.	.	Completed.
J. V. Spare,	.	.	.	Mercantile,	.	4	12	—	—	Good,	.	Provide separate closet for women,	.	—†	—†
LOWELL.															
Simpson and Rowland,	.	.	.	Groceries,	.	14	2	—	—	Fair,	.	Provide separate water-closets for women.	.	.	Completed.
"Bon Marché,"	.	.	.	Mercantile,	.	125	100	—	2	Good,	.	Procure two certificates,	.	.	Completed.
LAWRENCE.															
Washington Mill,	.	.	.	Woolen goods,	.	—	—	—	—	—	.	Provide seats for jack spoolers,	.	.	Completed.
A. W. Stearns,	.	.	.	Mercantile,	.	17	16	—	2	Good,	.	Procure one school certificate,	.	.	Completed.
WESTPORT.															
Westport Mfg. Co., No. 1.,	.	.	.	Twine, etc.,	.	55	61	—	11	Poor,	.	Provide new sanitary arrangements,	.	.	Completed.
Westport Mfg. Co., No. 2.,	.	.	.	Twine, etc.,	.	40	30	—	2	Poor,	.	Provide new sanitary arrangements,	.	.	Completed.
TAUNTON.															
George F. Cutter,	.	.	.	Dry goods,	.	2	3	—	1	Good,	.	Procure school certificate,	.	.	Completed.
Skinner & Co.,	.	.	.	Dry goods,	.	28	20	—	2	Good,	.	Procure two certificates,	.	.	Completed.
Fabey & Bolton,	.	.	.	Dry goods,	.	5	10	—	1	Good,	.	Procure one certificate,	.	.	Completed.
Cohannett Mill, No. 3,	.	.	.	Yarn,	.	137	120	—	27	Good,	.	Procure three certificates,	.	.	Completed.

* Laws complied with.

† Referred to Inspector Tierney.

‡ Recent order.

SPECIAL DUTY, MARY E. HALLEY, *Inspectress* — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
TAUNTON — <i>Concluded.</i>								
Canoe River Mill, . . .	Yarn, . . .	35	85	—	10	Fair, .	Keep closets clean, . . .	Complied.
Whittendon Mills, . . .	Dress goods, . . .	726	561	—	61	Good, .	Procure three certificates, . . .	Complied.
Nemasket Mill, . . .	Fine yarn, . . .	245	92	—	17	Good, .	Provide extra closet for women, . . .	Complied.
Oakland Mills, . . .	Ticking, . . .	58	57	—	6	Good, .	Clean and designate closet, . . .	Complied.
ATTLEBOROUGH.								
Hebron Mill, . . .	Print cloth, . . .	150	180	—	30	Good, .	Designate closets; place specifications on carders.	Complied.

Summary.

Number of inspections made,	275
Number of orders issued,	57
Number of compliances,	56
Number of children employed between thirteen and fourteen,	3
Number of children employed between fourteen and sixteen,	2,109
Number of females employed,	16,417
Number of males employed,	17,590
Total number employed,	36,119

INSPECTORS' REPORTS OF CLOTHING MADE IN TENEMENT-
HOUSES AND WORKSHOPS.

REPORT OF INSPECTOR GRIFFIN.

SIR : — Following the usual custom of presenting a brief revision of the work accomplished during the year, I have the honor to submit the following : —

That the evils or dangers pertaining to the so-called sweating system could have been either lessened or regulated by private effort, without the aid of wise and efficient legislation, would be unreasonable to maintain. Only through the enforcement of proper laws, framed with special reference to the origin, growth and control of this system, supported by the earnest and intelligent efforts of the press, pulpit and good citizens generally, could its evils be controlled or ameliorated. Without doubt the principal evil of this system is the danger to the health of the public wearing or using clothing that is made in unhealthy places or in tenement-houses wherein contagious or infectious diseases exist. It is hardly necessary to dwell upon the serious danger to the public health, if ignorant and careless persons, with habits of domestic life entirely inconsistent with our enlightened modern ideas of American home life or approved sanitary conditions, were permitted to indiscriminately manufacture clothing at their homes ; and it can safely be said that at least one-half of the people who try to engage in this home work are of such a class. The Massachusetts law must commend itself in this respect. Its license clause, compelling every person engaging in the making of clothing at home, in whole or in part, to procure a license before so doing, and imposing a heavy fine upon the person giving any such work to any one not holding such license, has proved to be practical and operative in preventing the manufacture of clothing in

filthy and undesirable tenements, in forcing invaluable habits of cleanliness upon many of those holding a license, and substantially removing the danger of spreading disease through the community. The conditions governing this license are so simple to observe that they do not impose any hardship or burden upon the holder, or interfere in any way with the established rules of business. They are as follows : first, absolute cleanliness of apartments and surroundings ; second, no room or rooms used as sleeping apartments shall be used for the purpose of finishing or making any articles of wearing apparel intended for sale, nor shall any of such articles of wearing apparel while in process of finishing or making be allowed to remain therein ; third, in case of removal or in case of any contagious or infectious disease in the family of the person holding the license, or in any family residing in the same building, notice must be at once sent to the inspector of the district ; fourth, no person or persons not members of the family shall be employed in finishing or making any such articles of wearing apparel intended for sale. Should the third condition, the most important one, be violated through failure of the person holding a license to report a case of disease, we become aware of such violation by reference to the printed list of contagious and infectious diseases which is mailed to us daily by the Board of Health.

An example or two may better explain. On the above-mentioned list we find that scarlet-fever exists in the building numbered 704 Dorchester Avenue, South Boston, where Mrs. F., who holds a license to make shirts and overalls, resides. On investigation, it is found that her child is afflicted with the disease, and that there are five dozen overalls in process of manufacture in a room adjoining the sick chamber. Having failed in reporting the above case to this office, her license was revoked, the employer notified to send no more work there, and the goods being made there were properly fumigated before being returned. Another and more frequent one follows : Mrs. L. applied for a license to finish men's trousers at No. 4 Stillman Place, Boston. On consulting list, we find diphtheria reported in above building. It is needless to say that a license was refused.

The fourth condition prevents the maintenance of tenement-house workshops, wherein others than members of the family are employed. The oft-repeated history of these shops, where the privacy of the home has been sacrificed for pecuniary advantages, has shown its demoralizing effects not only upon the family but also upon the workers employed, in rendering their toil more severe, their surroundings more dreary and their lot more depressing. The attempts that have been made from time to time to found

such shops have been ineffectual, through the strict enforcement of this regulation, and the tag section, which compels them to mark all garments made therein with a tag stating that they are tenement-made.

The following case will serve as an instance. Mr. R. occupied three dirty rooms on the second floor of a filthy tenement-house numbered 18 Wiget Street, Boston. His family consisted of wife and four children. One of the rooms he used as his workshop. One man was employed cutting men's trousers, he did the machine work himself, his wife the finishing; and he honestly stated that in a few days he would employ a couple of women finishers. He had only started a few days previously, buying a few rolls of cloth from the mill, and he intended to sell the trousers, when made, to peddlers. He could speak but very little English, and was entirely ignorant of the law; but, upon being informed that he was violating it in manufacturing there without a license and employing others than members of his family, and it was explained to him that a license would not be granted in such a filthy building, and that all garments made therein must be labelled tenement-made, he promised to obtain a proper workshop at once, which he did the following day.

Many of the tenements where a license has been granted, especially in the country districts, where they have plenty of room, pure air and proper sanitary arrangements, do not require continual visits; but in the crowded tenement districts of the city visits must be constantly made, to prevent violations of the law and to secure a proper regard for cleanliness. Many such visits have been made, as my tabulated statement will show.

The regular tailor shops are in fairly good condition, the principal difficulty encountered being in having the floors and water-closets cleaned often enough. They, too, are like the tenement-houses; some of them are always kept in good sanitary condition, while others require periodical visits to insure the desired measure of cleanliness.

While the fifty-eight-hour law for women and minors has been well observed, many orders have been issued in regard to carelessness in keeping the time table posted. It is gratifying to observe that there has been no increase in the employment of children.

I have received valuable aid from the clothing merchants, in furnishing a complete list of their tailors and their prompt action in withholding their work from shops where the orders issued by this department were not satisfactorily complied with. As must be apparent in this report, the aid given by the Board of Health has greatly assisted me in the performance of my duties, for which

I gratefully express my sincere thanks. The following table will show the work accomplished during the year : —

Summary.

Number of licenses outstanding Oct. 1, 1895,	472
Number of licenses revoked during the current year, .	278
Number of licenses granted renewed during the current year,	250
Number of licenses outstanding Oct. 1, 1896,	444
Number of licenses refused during the current year, .	156
Number of tenements inspected during the current year,	684
Number of visits to licensed and unlicensed tenements during the current year,	575
Total number of tenements inspected and visited during the current year,	1,259
Number of workshops inspected during the year, . .	136
Number of visits to workshops during the year, . .	297
Number of orders issued,	68
Number of compliances,	68
Number of children between thirteen and fourteen years of age,	—
Number of children between fourteen and sixteen years of age,	10
Number of males employed,	767
Number of females employed,	799
Total number of males and females employed, . .	1,566

SPECIAL DUTY,

JOHN E. GRIFFIN, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.		14 to 16.					
		Males.	Females.						
BOSTON.									
Goldman, Lesser & Goldberg,	Trousers,	4	6	—	Fair,	Post time table,	•	Complied.	
H. Newman,	Trousers,	5	6	—	Fair,	Post time table,	•	Complied.	
A. Aronson,	Trousers,	10	12	—	Fair,	Post time table,	•	Complied.	
Klein & Friedman,	Vests,	4	3	—	Poor,	Post time table; supply water-closet,	•	Complied.	
A. Orintlicher,	Trousers,	11	7	—	Fair,	Post time table,	•	Complied.	
S. Kaufman,	Coats,	6	4	—	Fair,	Post time table,	•	Complied.	
F. Nuzzo,	Coats,	20	5	—	Poor,	Post time table; supply water-closet,	•	Complied.	
S. Price,	Trousers,	6	4	—	Fair,	Clean workshop; post time table,	•	Complied.	
I. Hackel,	Coats,	9	3	—	Fair,	Post time table; supply water-closet,	•	Complied.	
L. Lebowich,	Dresses,	4	2	—	Fair,	Post time table,	•	Complied.	
H. Finklestein,	Trousers,	11	3	—	Fair,	Post time table,	•	Complied.	
M. Goldberg,	Trousers,	10	16	—	Fair,	Post time table; obtain certificate for minor.	•	Complied.	
J. Feinstein,	Trousers,	8	7	—	Poor,	Post time table; clean workshop, entry and stairway; lime-wash water-closet.	•	Complied.	
B. Goldstein,	Knee pants,	4	4	—	Fair,	Post time table,	•	Complied.	
S. Papni,	Trousers,	9	7	—	Fair,	Post time table,	•	Complied.	
Brown & Gilstein,	Trousers,	12	18	—	Fair,	Obtain certificate for minors,	•	Complied.	
I. Freedman,	Trousers,	26	20	—	Fair,	Clean entry and stairway,	•	Complied.	
Kaplan & Grossman,	Trousers,	10	10	—	Fair,	Clean entry and stairway,	•	Complied.	

SPECIAL DUTY, JOHN E. GRIFFIN, Inspector — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Under 14.			
		Females.					
BOSTON — Concluded.							
B. Orintlicher,	Trousers,	12	14	—	Fair, . .	Clean entry and stairway, . .	Complied.
McKay & Cook,	Custom clothing, . .	2	14	—	Good, . .	Post time table,	Complied.
Halperin & Gordon, . .	Vests,	7	9	—	Poor, . .	Supply water-closet,	Complied.
A. Viafore,	Coats,	21	5	—	Fair, . .	Furnish water-closet,	Complied.
Bennett & Abrams, . .	Trousers and vests,	12	12	—	Bad, . .	Secure proper workshop,	Complied.
Geo. I. Pond,	Trousers,	6	20	—	Fair, . .	Post time table,	Complied.
D. Nurenberg,	Coats,	8	12	—	Good, . .	Post time table,	Complied.
Levi & Gold,	Coats,	20	12	—	Fair, . .	Supply water-closet; post time table,	Complied.
Klein & Freedman, . .	Vests,	9	7	—	Fair, . .	Post time table,	Complied.
Harris Goldstein, . . .	Ladies' custom garments,	3	5	—	Poor, . .	Supply water-closet; post time table,	Complied.
Louis Cohen,	Coats,	13	6	—	Fair, . .	Post time table,	Complied.
H. Hollander,	Coats,	25	15	—	Fair, . .	Obtain certificates for minors, . .	Complied.
E. Nurenberg,	Coats,	10	8	—	Fair, . .	Post time table,	Complied.
Abramson & Sandler, . .	Vests,	8	1	—	Fair, . .	Post time table,	Complied.
Mark Goldstein,	Trousers,	8	12	—	Fair, . .	Post time table,	Complied.
Rothberg & Goldstein, . .	Trousers,	15	10	—	Fair, . .	Post time table,	Complied.
F. Dimase,	Coats,	12	8	—	Poor, . .	Lime wash shop and water-closet, . .	Complied.
Tenore & Stacio,	Custom clothing, . .	3	1	—	Fair, . .	Post time table,	Complied.

S. Steinberg,	.	.	.	Trousers,	.	.	6	3	-	-	Fair,	.	Designate water-closets; post time table.	Complied.
S. Marsus,	.	.	.	Trousers,	.	.	3	9	-	-	Fair,	.	Designate water-closets; post time table.	Complied.
M. Epstein,	.	.	.	Repairing clothing,	.	.	2	-	-	-	Bad,	.	Clean workshop,	Complied.
F. Nuzzo,	.	.	.	Coats,	.	.	19	3	-	-	Fair,	.	Post time table,	Complied.
Kirshen & Erlberg,	.	.	.	Trousers,	.	.	7	10	-	-	Bad,	.	Lime wash, paint and clean workshop.	Complied.
M. Barron,	.	.	.	Coats,	.	.	15	8	-	-	Fair,	.	Designate water-closets; post time table.	Complied.
L. Arken,	.	.	.	Trousers,	.	.	7	14	-	-	Fair,	.	Post time table,	Complied.
A. Smith,	.	.	.	Trousers,	.	.	14	15	-	-	Fair,	.	Post time table,	Complied.
Rivitz & Cohen,	.	.	.	Trousers,	.	.	6	7	-	-	Fair,	.	Post time table,	Complied.
Greenberg & Rosenberg,	.	.	.	Vests,	.	.	3	3	-	1	Fair,	.	Post time table; supply water-closet,	Complied.
Cohen & Rosofsky,	.	.	.	Coats,	.	.	11	16	-	1	Fair,	.	Obtain certificate for minor; post time table.	Complied.
S. Elman,	.	.	.	Coats,	.	.	6	3	-	-	Fair,	.	Post time table,	Complied.
D. Levi,	.	.	.	Coats,	.	.	10	7	-	-	Fair,	.	Post time table,	Complied.
Benj. Slutzski,	.	.	.	Ladies' garments,	.	.	1	3	-	-	Fair,	.	Post time table,	Complied.
Kate Rogers,	.	.	.	Knee pants,	.	.	-	4	-	-	Fair,	.	Post time table,	Complied.
Miss Ferguson,	.	.	.	Vests,	.	.	-	5	-	-	Fair,	.	Post time table,	Complied.
Goodman & Wilinsky,	.	.	.	Coats,	.	.	6	4	-	-	Fair,	.	Post time table,	Complied.
Jacob J. Feldman,	.	.	.	Ladies' garments,	.	.	1	2	-	-	Fair,	.	Post time table,	Complied.
Hyman Barklestein,	.	.	.	Knee pants,	.	.	4	-	-	-	Poor,	.	Provide workshop separate from dwelling.	Abolished.
Morris Rosenthal,	.	.	.	Trousers,	.	.	2	1	-	-	Bad,	.	Secure proper workshop,	Abolished.
Louis Kaufman,	.	.	.	Trousers,	.	.	2	1	-	-	Poor,	.	Secure proper workshop,	Abolished.
Chas. Kulwinsky,	.	.	.	Men's suits,	.	.	6	3	-	-	Poor,	.	Secure proper workshop,	Abolished.

REPORT OF INSPECTOR PLUNKETT.

SIR:— My experience of the past year in the enforcement of the law governing the manufacture of clothing in tenement-houses convinces me of the necessity for its enactment. While there have been but few attempts to violate its provisions in the district during the year, still, sufficient instances have occurred to demonstrate what the conditions would be but for its existence.

The requirements exacted by that portion of the law relating to tenement-house workshops are such as to prevent their successful operation; and its enforcement has created a decided improvement over conditions which formerly existed in this industry, particularly in the city of Boston, where the temptation to combine the home and the workshop seems to be greatest. There have been four attempts to operate this class of workshops during the year. These were all started in ignorance of the law, and were suppressed immediately upon discovery. The parties controlling them, being unable to comply with the requirements of the law, were obliged to vacate the premises so occupied, and secure shops in buildings devoted exclusively to manufacturing purposes.

That portion of the law which requires that a license shall be obtained where members of the immediate family are engaged in any part of the labor on wearing apparel in their homes is undoubtedly its most important provision, and the one to the enforcement of which the greater portion of my time has been devoted. The wisdom of the Legislature in enacting this part of the law is evident, for by its enforcement we are enabled to know every place in the State where clothing is being made. The conditions upon which these licenses are granted are such that the person holding a license is required to notify the department of the occurrence of contagious or infectious disease in the building in which he resides; and also in the event of changing his place of abode. To insure a strict compliance with these conditions, an arrangement has been entered into with the Board of Health of the city of Boston, by which, through the courtesy of the Board, we are supplied with a daily list of the contagious diseases. By this means a careful watch is kept over all premises in this city in which a license has been granted. In other places, where necessary, access to the records of health boards has been cheerfully given. By this arrangement it is almost impossible for clothing to be made in any premises during the existence of contagious or infectious disease. Although several cases of contagious diseases have occurred in buildings wherein licenses

had been granted, still, in no case was it necessary to take any measures beyond revoking the license, thereby preventing any clothing from being made in the building during the existence of the disease.

The benefits derived from the operations of this part of the law cannot be fully appreciated except by one engaged in its enforcement. The wretched condition of some of the buildings from which applications for licenses are received is simply beyond description, and quite frequently an application is received from a building wherein contagious disease exists.

In some instances a two-fold advantage is derived from the enforcement of this part of the law. If the persons desiring to pursue this occupation are reliable tenants, the landlord in some cases has renovated the building in order to retain them. The tenants are thus benefited by having a more cleanly and wholesome place of abode, and the conditions surrounding this branch of the industry are thereby improved.

The amount of labor required to enforce the license clause of the law can be thoroughly understood by reviewing the appended table :—

Number of tenements inspected during the year, . . .	662
Number of tenements visited, licenses revoked, . . .	171
Number of tenements visited, due to other causes, . . .	532
<hr/>	
Total number of tenements visited,	1,365

There has been a large decrease in the number of licenses granted this year, as compared with 1895, to persons engaged in the tailoring trade, owing, no doubt, to the great depression of business in this industry. This decrease is almost entirely offset by the large number of licenses granted to women, who are forced, on account of the hard times, to seek employment in order to assist in the support of their families, and who are engaged in the making of shirts, overalls, wrappers, women's and children's underwear and dresses, and are generally intelligent people, residing in clean and well-regulated homes.

Number of licenses outstanding Oct. 1, 1895,	466
Number of licenses granted during the current year,	203
<hr/>	
Total number of granted licenses,	669
Number of licenses revoked during the year,	241
<hr/>	
Total number of licenses outstanding Oct. 1, 1896,	428

The regular factories and workshops inspected during the year have been found to be in good condition, with few exceptions. The laws regulating the employment of labor are generally well observed. I have found that the proprietors have as a rule welcomed my visits of inspection and gladly indorsed and complied with whatever has been required. The worst of my duties has been the enforcement of sanitary laws in the workshops of those who were the former tenement-house employers; and, after four years' experience, I find that nothing but constant visits to these places, with threats to prosecute, will cause this class of employers to maintain anything like a decent degree of cleanliness in their shops, the dirty condition of which is due in a great measure to the careless and filthy habits of some of the employees.

The number of children employed has decreased during the year, and none are now employed without the required certificate.

Number of workshops inspected,	123
Number of orders issued,	39
Number of compliances,	39
Number of children between thirteen and fourteen years,	2
Number of children between fourteen and sixteen years,	21
Number of males employed,	1,199
Number of females employed,	715

JOHN H. PLUNKETT, *Inspector.*

SPECIAL DUTY,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
CHELSEA.								
S. Solomon,	Coats, . . .	15	4	—	1	Poor, .	Furnish and designate closets,	Complied.
WALTHAM.								
Carl Bloomberg,	Coats and vests, .	4	2	—	—	Good, .	Post time table; designate water-closets.	Complied.
BOSTON.								
Isaac Brenner,	Dress skirts, . .	2	2	—	—	Bad, .	Sent copy of law, . . .	Vacated.
Coleman Cohen,	Dress skirts, . .	1	3	—	—	Bad, .	Sent copy of law, . . .	Vacated.
Goodman & Goldberg,	Ladies' underwear,	2	7	—	—	Bad, .	Sent copy of law, . . .	Vacated.
Morris L. Hootstein,	Gossamer clothing.	11	6	—	—	Bad, .	Sent copy of law, . . .	Vacated.
Nathan Sugtmay,	Trousers, . . .	11	3	—	2	Fair, .	Post time table; procure certificates for minors.	Complied.
Boiarsky & Pelitzky,	Trousers, . . .	11	10	—	—	Fair, .	Post time table, . . .	Complied.
Kauffman & Cohen,	Coats, . . .	12	7	—	—	Fair, .	Post time table, . . .	Complied.
Sheinfeld, Spetzoman & Ludman.	Vests, . . .	8	5	—	1	Fair, .	Post time table; procure certificate for minor.	Complied.
H. Rogers,	Vests, . . .	3	1	—	—	Fair, .	Post time table, . . .	Complied.
Greenburg & Standard,	Coats, . . .	26	14	—	2	Fair, .	Post time table, . . .	Complied.
Grossman & Barr,	Trousers, . . .	12	5	—	1	Poor, .	Furnish additional water-closet, .	Complied.
J. Loewenberg,	Trousers, . . .	9	2	—	—	Poor, .	Post time table; clean water-closet,	Complied.

SPECIAL DUTY, JOHN H. PLUNKETT, Inspector — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Concluded.								
S. Levine,	Trousers,	8	4	—	—	Poor, .	Linewash workshop; clean water-closets.	Complied.
North End Tailoring Co.,	Coats,	15	6	—	—	Poor, .	Clean room and water-closets, .	Complied.
Max Louis,	Trousers,	8	2	—	—	Poor, .	Post time table; clean and designate water-closet.	Complied.
A. Cohen,	Coats,	9	6	—	—	Poor, .	Clean and designate water-closet, .	Complied.
J. Shuleman,	Coats,	17	7	—	1	Good, .	Post time table,	Complied.
I. Shulman,	Coats,	12	5	—	—	Good, .	Post time table,	Complied.
J. Rosenberg,	Coats,	46	21	—	1	Fair, .	Linewash water-closets,	Complied.
F. Cohen,	Trousers,	9	8	—	2	Fair, .	Post time table,	Complied.
Rothberg & Sarlansky,	Coats,	14	6	—	—	Good, .	Post time table; designate water-closet.	Complied.
F. H. Hughes,	Trousers,	4	12	1	—	Fair, .	Post time table,	Complied.
Goodman & Greenboim,	Coats,	9	5	—	—	Good, .	Post time table; designate water-closet.	Complied.
Ascher & Rose,	Coats,	9	18	—	—	Good, .	Post time table,	Complied.
M. Finklestein,	Vests,	7	1	—	—	Fair, .	Post time table,	Complied.
O. Larson,	Coats,	37	4	1	1	Good, .	Procure certificate for minors, .	Complied.
Isaac Cravitz,	Coats and vests,	8	2	—	—	Fair, .	Post time table,	Complied.
A. Larson,	Coats,	8	2	—	—	Fair, .	Designate water-closet,	Complied.
M. Feinstein,	Trousers,	3	1	—	—	Poor, .	Post time table,	Complied.

*Report of Elevators Inspected.*DISTRICT No. 4. MALCOLM SILLARS, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Chelsea.				
Low Art Tile Co., . . .	1	Good,	None,	-
Am. Fire Hose Mfg. Co., . . .	2	Good,	None,	-
Lynch Bros.,	1	Good,	None,	-
Austin & Graves,	1	Good,	None,	-
Sweet Car Wheel Co., . . .	1	Poor,	Provide new counter-balance rope.	Complied.
Magee Furnace Co., . . .	5	Good,	None,	-
Revere Rubber Co., . . .	1	Good,	None,	-
Forbes Lithograph Co., . . .	1	Good,	None,	-
J. Arthur Towle Co., . . .	1	Good,	None,	-
White, Holman & Co., . . .	2	Good,	None,	-
J. W. Stickney & Co., . . .	1	Good,	None,	-
Thos. Strahan Co., . . .	1	Good,	None,	-
Mt. Washington Spring Co., . . .	1	Good,	None,	-
C. F. Kelly & Co., . . .	1	Good,	None,	-
A. S. Rogers Shoe Co., . . .	1	Good,	None,	-
Atwood & McManus, . . .	1	Poor,	Repair safety,	-*
Revere.				
D. & L. Slade Co., . . .	1	Good,	None,	-
Milton.				
Walter Baker Co., Ltd., . . .	6	Good,	None,	-

* Recent order.

*Report of Elevators Inspected.*DISTRICT No. 5. LEWIS F. F. ABBOTT, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Athol.				
Goddard & Manning, . . .	1	Good,	None,	-
Hill & Greene,	2	Good,	None,	-
L. Morse & Son,	1	Good,	None,	-
A. F. Tyler,	1	Good,	None,	-
L. S. Stanett Co., . . .	2	Good,	None,	-
Ashburnham.				
Massachusetts Car Co., . . .	1	Good,	None,	-
I. E. Platts,	1	Good,	None,	-
O. Whitney & Co., . . .	1	Good,	None,	-
W. F. Whitney,	2	Good,	None,	-
Auburn.				
Stoneville Worsted Co., . . .	1	Good,	Automatic hatches, . . .	Complied.
Brookfield.				
Geo. H. Burt & Co., . . .	1	Good,	None,	-
C. H. Moulton & Co., . . .	2	Good,	None,	-
Charlton.				
Akers & Taylor,	2	Good,	None,	-
Clinton.				
Lancaster Mills,	6	Good,	None,	-
Bigelow Carpet Co., . . .	7	Good,	None,	-
Clinton Wire Cloth Co., . . .	3	Good,	None,	-
Clinton Wall Trunk Co., . . .	1	Good,	None,	-
Dudley.				
Stevens Linen Works, . . .	1	Good,	None,	-
E. S. Stevens,	1	Good,	None,	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Fitchburg.				
Wheelwright Paper Co., . . .	1	Good,	None,	-
E. F. Belding,	1	Good,	None,	-
Beoli Mill,	2	Good,	Automatic hatch being put on,	-
Fitchburg Worsted Co., . . .	1	Good,	None,	-
Farwell & Hawley,	1	Good,	None,	-
Fitchburg Mfg. Co.,	1	Good,	None,	-
Grant Yarn Mill,	2	Good,	None,	-
Fitchburg Paper Co.,	3	Good,	None,	-
Crocker, Burbank & Co., . . .	3	Good,	None,	-
Nokege Mill,	1	Good,	None,	-
Orswell Mill,	3	Good,	None,	-
Star Worsted Co.,	1	Good,	None,	-
W. A. Gano,	1	Good,	Keep gates closed,	Complied.
E. M. Dieinson,	1	Good,	None,	-
Fitchburg Cotton Mill,	1	Good,	None,	-
Gardner.				
Oil and Gas Stove Co.,	1	Good,	None,	-
Nichols & Stone,	2	Good,	None,	-
Greenwood Bros.,	1	Good,	None,	-
Blount Mfg. Co.,	1	Good,	None,	-
S. Bent & Bros,	1	Good,	None,	-
S. K. Pierce & Son,	2	Good,	None,	-
P. Derby & Son,	2	Good,	None,	-
A. & H. C. Knowlton,	1	Good,	None,	-
Conant & Ball,	1	Good,	None,	-
John A. Dunn,	3	Good,	None,	-
Heywood Bros. & Co.,	8	Good,	None,	-
Grafton.				
J. S. Nelson & Son Shoe Co., . .	2	Good,	None,	-
Grafton Flax Mill,	1	Good,	None,	-
Saunders Cotton Mill,	1	Good,	None,	-
Fisher Mfg. Co.,	1	Good,	None,	-
Hardwick.				
G. H. Gilbert Mfg. Co.,	2	Good,	None,	-
Holden.				
Eagle Lake Woolen Co.,	1	Good,	None,	-
Jefferson Mfg. Co.,	1	Good,	None,	-
Leicester.				
Andrew Howarth & Son,	1	Good,	None,	-
L. S. Watson Mfg. Co.,	1	Good,	None,	-
W. F. Whittemore,	1	Good,	None,	-
American Card Clothing Co., . .	1	Good,	None,	-
C. W. Warren & Son,	1	Good,	None,	-
Leominster.				
Whitney Reed Chair Co.,	1	Good,	None,	-
Leominster Worsted Co.,	1	Good,	None,	-
Wachusett Shirt Co.,	1	Good,	None,	-
Whitney Paper Box Co.,	1	Good,	None,	-
G. A. Gane Shirt Co.,	2	Good,	None,	-
Phelps & Harrison,	1	Good,	None,	-
National Fiber Co.,	1	Good,	None,	-
Whitney Carriage Co.,	2	Good,	None,	-
Wachusett Laundry,	1	Good,	None,	-
W. S. Reed Toy Co.,	1	Good,	None,	-
Wellington Piano Case Co., . . .	1	Good,	None,	-
Millbury.				
F. A. Lapham,	2	Good,	None,	-
Cordis Mills,	2	Good,	None,	-
Northbridge.				
Whitin Machine Works,	3	Good,	None,	-
Linwood Mill,	2	Good,	None,	-
Paul Whitin Mfg. Co.,	1	Good,	None,	-
North Brookfield.				
E. & A. H. Batcheller Co., . . .	3	Good,	None,	-
H. H. Brown & Co.,	1	Good,	None,	-

Report of Elevators Inspected—Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Oxford.				
A. L. Joslin & Co., . . .	2	Good,	None,	-
Southbridge.				
Hamilton Woolen Co., . . .	3	Good,	None,	-
Central Mills,	1	Good,	None,	-
Spencer.				
T. Prouty & Co., Incorporated,	6	Good,	None,	-
W. A. Barr & Son,	1	Good,	None,	-
J. E. Bacon,	2	Good,	None,	-
E. Jones & Co.,	1	Good,	None,	-
Bacon & Sibley,	1	Good,	None,	-
Sturbridge.				
Fiskdale Mills,	2	Good,	None,	-
Sutton.				
Manchaug Mfg. Co.,	2	Good,	None,	-
Templeton.				
J. M. Greenwood & Co., . . .	1	Good,	None,	-
Bourn, Hadley & Co.,	1	Good,	None,	-
T. T. Greenwood & Son, . . .	1	Good,	None,	-
Smith, Day & Co.,	1	Good,	None,	-
Waite Chair Co.,	1	Good,	None,	-
D. L. Thompson & Son,	1	Good,	None,	-
Uxbridge.				
C. C. Capron,	1	Good,	None,	-
Hecla Mill,	1	Good,	None,	-
Calumet Woolen Co.,	1	Good,	None,	-
Warren.				
Knowles Pump Works,	1	Good,	None,	-
Warren Cotton Mills,	4	Good,	None,	-
Fanny Jane Mill,	1	Good,	None,	-
Webster.				
Slater Woolen Mill,	3	Good,	None,	-
A. J. Bates,	1	Good,	None,	-
Slater Cotton Mill,	2	Good,	None,	-
Westborough.				
Hunt Mfg. Co.,	1	Good,	None,	-
G. B. Brigham,	1	Good,	None,	-
Gould & Walker,	1	Good,	None,	-
West Boylston.				
L. M. Harris Mfg. Co.,	1	Good,	None,	-
Clarendon Mills,	1	Good,	None,	-
West Boylston Mfg. Co., . . .	1	Good,	None,	-
West Brookfield.				
Olmsted Quabog Corset Co., .	1	Good,	None,	-
Winchendon.				
Nelson Mill,	1	Good,	None,	-
Glen Allen Mill,	1	Good,	None,	-
Mason & Parker,	2	Good,	None,	-
M. E. Convers & Co.,	1	Good,	None,	-
N. E. Baby Carriage Co., . . .	2	Good,	None,	-
Worcester.				
E. D. Thayer, Jr.,	1	Good,	None,	-
Reed & Prince,	2	Good,	None,	-
Knowles Loom Works,	3	Good,	None,	-
Rice, Barton & Fales,	2	Good,	None,	-
Pakachoag Mill,	1	Good,	None,	-
Worcester Carpet Co.,	2	Good,	None,	-
M. J. Whittall,	3	Good,	None,	-
Wright & Colton,	2	Good,	None,	-
Hammond, Reed Co.,	1	Good,	None,	-
Waverley Shoe Co.,	1	Good,	None,	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Worcester — Con.				
Stevens Estate,	1	Good,	None,	-
Crompton Loom Works,	3	Good,	None,	-
Howard Brothers,	1	Good,	None,	-
Worcester Pants Co.,	1	Good,	None,	-
E. H. Stark & Co.,	1	Good,	None,	-
Glasco Thread Co.,	2	Good,	None,	-
Whitcomb Envelope Co.,	2	Good,	None,	-
Mason-Risch Co.,	1	Poor,	Set up guides; provide new cable.	Complied.
Globe Corset Co.,	2	Good,	None,	-
Spiers Mfg. Co.,	1	Good,	None,	-
The Wire Goods Co.,	1	Good,	None,	-
Walker & Brown,	1	Good,	None,	-
C. F. Kent,	1	Good,	None,	-
Chase Building,	1	Good,	Discharge boy on account of age.	Complied.
C. S. Goddard & Son,	1	Good,	None,	-
Worcester Corset Co.,	1	Good,	None,	-
Charles Baker & Co.,	1	Good,	None,	-
W. F. Merrifield,	1	Good,	Provide safety catches, . . .	Complied.
Forrest Building,	1	Good,	Provide self-closing doors, . .	Complied.
Horticultural Hall,	1	Good,	Guard to well,	Late order.

*Report of Elevators Inspected.*DISTRICT No. 6. JOHN F. TIERNEY, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Fall River.				
Annanaw Mills,	1	Good,	None,	-
Shove Mills,	2	Good,	Repair safety device; put on new rope.	Complied.
Metacomet Mfg. Co.,	1	Good,	None,	-
Fall River Bobbin and Shuttle Co.,	2	Good,	None,	-
Union Cotton Mfg. Co.,	4	Good,	Repair safety device, . . .	Complied.
Chase Mills,	3	Good,	Put on new automatic gates, .	Complied.
Cornell Mills,	2	Good,	Put flooring under elevator drums.	Complied.
Osborn Mills,	4	Good,	None,	-
Roberson Mills,	2	Good,	None,	-
Fall River Iron Works Co.,	7	Good,	None,	-
Davol Mills,	1	Good,	None,	-
American Printing Co.,	6	Good,	None,	-
Seaconnet Mills,	3	Good,	None,	-
Hargraves Mills,	4	Good,	None,	-
Slade Mills,	2	Good,	Repair safety device, . . .	Complied.
Troy Cotton and Woollen Mfg. Co.,	2	Good,	Put flooring under elevator drum.	Complied.
Sanford Spinning Co.,	2	Good,	Put flooring under elevator drum.	Complied.
Conanicut Mills,	1	Good,	None,	-
Flint Mills,	2	Good,	None,	-
Merchants Mfg. Co.,	4	Good,	None,	-
Globe Yarn Mills,	6	Good,	Repair safety device, . . .	Complied.
Jesse Eddy Mfg. Co.,	2	Good,	None,	-
Pocasset Mfg. Co.,	3	Good,	None,	-
Richard Borden Mfg. Co.,	3	Good,	Repair safety device, . . .	Complied.
Tecumseh Mills,	2	Good,	None,	-
Durfee Mills,	6	Good,	None,	-
Barnaby Mfg. Co.,	1	Good,	None,	-
Barnard Mfg. Co.,	1	Good,	None,	-
Fall River Bleachery,	3	Good,	Put on new automatic gates, .	Complied.
Kerr Thread Mills,	3	Good,	None,	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Fall River — Con.				
Massasoit Mfg. Co.,	1	Good,	None,	-
Laurel Lake Mills,	2	Good,	None,	-
American Linen Co.,	4	Good,	None,	-
Fall River Manufactory, . . .	1	Good,	None,	-
King Philip Mills,	5	Good,	Put on new automatic gates, .	Complied.
Union Belt Co.,	1	Good,	None,	-
Algonquin Printing Co., . . .	2	Good,	None,	-
Border City Mfg. Co.,	4	Good,	Repair safety device,	Complied.
Mechanics Mills,	2	Good,	None,	-
Weetamoe Mills,	2	Good,	None,	-
Narragansett Mills,	3	Good,	None,	-
Sagamore Mfg. Co.,	2	Good,	Put flooring under elevator drums.	Complied.
Granite Mills,	5	Good,	None,	-
Stafford Mills,	4	Good,	None,	-
Wampanoag Mills,	4	Good,	None,	-
Stevens Mfg. Co.,	1	Good,	Put flooring under elevator drums.	Complied.
Parker Mills,	1	Good,	None,	-
Metallic Comb Co.,	1	Good,	None,	-
J. H. Estes & Son,	1	Good,	None,	-
Freetown.				
Crystal Spring B. & D. Co., .	1	Good,	New ropes,	Complied.
Westport.				
Westport Factory,	2	Good,	None,	-
Somerset.				
Somes & Johnsonburg Mfg. Co.	1	Good,	None,	-
Sandwich.				
Cape Cod Decorating Co., . .	1	Good,	Repair trap doors,	Complied.
Boston and Sandwich Glass Co.	1	Good,	None,	-
New Bedford.				
Hathaway Mfg. Co.,	3	Good,	None,	-
Columbia Mills,	3	Good,	None,	-
Bennett Mills,	2	Good,	None,	-
Acushnet Mills,	4	Good,	None,	-
Grinnell Mills,	2	Good,	Box up elevator drum,	Complied.
Bristol Mills,	1	Good,	Repair trap doors,	Complied.
Wamsutta Mills,	11	Good,	Automatic gate and floor under elevator drums.	Complied.
New Bedford Mfg. Co.,	2	Good,	None,	-
Potomaska Mills,	3	Good,	None,	-
City Mfg. Corporation,	3	Good,	Put floor under elevator drum,	Complied.
Pierce Mfg. Co.,	2	Good,	None,	-
Rotch Spinning Corporation,	4	Good,	Repair safety device,	Complied.
Howland Mills,	2	Good,	Repair safety device,	Complied.
Pairpoint Mfg. Co.,	6	Good,	Automatic gates,	Complied.
National Cordage Co.,	2	Good,	Automatic gates,	Complied.
Morse Twist Drill Co.,	2	Good,	None,	-
Hathaway, Soule & Harrington.	1	Good,	None,	-
D. A. Snell,	2	Good,	Repair safety device,	Complied.
Whitman Mills,	1	Good,	Floor under elevator drum, . .	Complied.
J. C. Rhoades & Co.,	2	Good,	Floor under elevator drums, .	Complied.
Bay State Chair Co.,	1	Good,	None,	-
New Bedford Evening Standard.	1	Good,	None,	-
Dartmouth Mfg. Co.,	2	Good,	Floor under elevator drums, .	Complied.
Fairhaven.				
Fairhaven Iron Foundry Co., .	1	Good,	Repair safety device; put on automatic gate and flooring under elevator drum.	Complied.
Thatcher Bros.,	1	Good,	None,	-
Atlas Tack Co.,	2	Good,	None,	-
Taunton.				
Nemasket Mills,	1	Good,	None,	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Taunton — Con.				
Morton Bros.' Steam Laundry.	1	Good,	Put on automatic gates, . .	Complied.
Elizabeth Pool Mills, . .	2	Good,	Put flooring under elevator drums.	Complied.
A. Fields & Son, . . .	4	Good,	None,	-
Taunton Tack Co., . . .	2	Good,	None,	-
Reed & Barton, . . .	3	Good,	Put flooring under elevator drums.	Complied.
Whittenton Mfg. Co., . .	9	Good,	Repairs and safety device; put flooring under elevator drums.	Complied.
Oakland Mills, . . .	1	Good,	None,	-
Cohannet Mills, . . .	5	Good,	Put flooring under elevator drums.	Complied.
Eagle Mills, . . .	1	Good,	None,	-
Canoe River Mills, . . .	1	Good,	Put flooring under elevator drums.	Complied.
Taunton Locomotive Co., .	2	Bad,	New gates and safety device; flooring under drums.	Complied.
Mason Machine Co., . .	7	Good,	Put on new automatic gates, .	Complied.
Westville Mills, . . .	1	Good,	Put flooring under elevator drums.	Complied.
Norton.				
Norton Mills Co., . . .	1	Good,	Repairs; safety device, . .	Complied.
Attleborough.				
Dodgeville Mills, . . .	2	Good,	Put on new automatic gates, .	Complied.
Hebron Mills, . . .	1	Good,	Put on new automatic gates, .	Complied.
Attleborough Falls.				
Gold Medal Braid Co., . .	1	Good,	None,	-
Mansfield.				
Conroy & Co., . . .	1	Good,	None,	-
Burpee, Rumsey & Co., .	1	Good,	None,	-
South Easton.				
Ross Heel Co., . . .	1	Good,	Put on new automatic gates, .	Complied.

*Report of Elevators Inspected.*DISTRICT No. 7. JOHN L. KNIGHT, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Agawam.				
Worthy Paper Co., . . .	1	Good,	None,	-
Amherst.				
The Hills Co., . . .	1	Good,	None,	-
Geo. B. Burnett & Son, .	2	Good,	None,	-
Chicopee.				
Lamb Mfg. Co., . . .	3	Good,	None,	-
The J. Stevens Arms and Tool Co	1	Good,	None,	-
Overman Wheel Co., . .	3	Good,	None,	-
Dwight Mfg. Co., . . .	4	Fair,	Provide new cable to the elevator in No. 1 and 2 mill.	Complied.
Chicopee Mfg. Co., . . .	5	Good,	None,	-
Ames Sword Co., . . .	2	Good,	Repair gates to elevator openings.	Complied.
Ames Mfg. Co., . . .	1	Good,	None,	-
Hampden Brewing Co., .	1	Not good.	Provide new gates to the openings to elevator well.	Complied.
Taylor & Bromley, . . .	1	Good,	None,	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Easthampton.				
Williston & Knight, . . .	2	Fair,	Keep doors to elevator open- ings closed.	Complied.
Easthampton Spinning Co., .	2	Good,	None,	-
Nashawanuck Mfg. Co., . .	2	Fair,	Provide new cable to the eleva- tor in main building of weaving department.	Complied.
Williston & Knight, Ivory Dept.	1	Good,	None,	-
Holyoke.				
Hadley Thread Co., . . .	8	Good,	None,	-
Lyman Mills,	7	Good,	None,	-
Holyoke Envelope Co., . .	2	Good,	None,	-
Farr Alpaca Co.,	4	Good,	None,	-
Whitcomb's Building, . . .	2	Good,	None,	-
Albion Paper Co.,	3	Good,	Provide new cable to the rag- room elevator.	Complied.
Griffith, Axtelle, Cady Co., .	1	Good,	Keep elevator gates closed when not in use.	Complied.
Linden Paper Co.,	1	Good,	Provide new wire cable to rag- room elevator.	Complied.
Nonotuck Paper Co.,	4	Good,	Provide new wire cable to ele- tor running through to the rag room.	Complied.
T. F. Flannigan's Building, .	1	Fair,	Provide automatic gates to ele- vator openings on second and third floors; repair all other gates.	Complied.
Wauregan Paper Co.,	2	Good,	Provide new wire cable to rag- room elevator.	Complied.
Massachusetts Paper Co., . .	3	Good,	None,	-
D. Mackintosh & Sons Co., .	4	Good,	None,	-
National Blank Co.,	2	Good,	None,	-
Parsons Paper Co.,	6	Good,	None,	-
American Pad Co.,	2	Good,	None,	-
Valley Paper Co.,	3	Good,	None,	-
Springfield Blanket Co., . .	2	Good,	None,	-
Smith, Wilson & Sears, . . .	2	Good,	Provide additional guard to elevator opening	Complied.
Essex Paper Co.,	1	Good,	None,	-
Beebe & Holbroke,	3	Good,	None,	-
Merrick Thread Co.,	6	Good,	None,	-
Huntington.				
Chester Paper Co.,	2	Good,	None,	-
Ludlow.				
Ludlow Mfg. Co.,	9	Good,	None,	-
Monson.				
D. W. Ellis & Son,	1	Good,	None,	-
R. M. Reynolds,	1	Good,	None,	-
R. M. & T. Reynolds,	2	-*	Keep elevator gates closed when not in use.	Complied.
S. F. Cushman & Sons, . . .	1	Good,	None,	-
Northampton.				
W. H. Abbott,	1	-*	Provide self-closing hatches or gates to elevator opening; safety catch to prevent car from falling in case of acci- dent to hoisting rope.	Complied.
F. H. Davis & Co.,	1	-*	Provide safety device; self- closing hatches or gates.	Complied.
Central Oil Gas Stove Co., . .	4	Good,	None,	-
Smith-Car Baking Co., . . .	1	Fair,	Keep hatches closed when not in use.	Complied.
Belding Bros.,	3	Good,	None,	-
Florence Mfg. Co.,	2	Good,	None,	-
Williams Mfg. Co.,	1	Good,	Repair gates,	Complied.

* Not good.

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Palmer.				
Boston Duck Co., . . .	4	Good,	None,	-
Thorndike Co., . . .	4	Good,	None,	-
Palmer Mills of the Otis Co.,	5	Good,	None,	-
Russell.				
Chapin & Gould, . . .	2	Good,	None,	-
Fairfield Paper Co., . .	3	Good,	None,	-
South Hadley.				
Glasgow Mfg. Co., . . .	1	Good,	None,	-
Hampshire Paper Co., . .	1	Good,	None,	-
Springfield.				
Cashin Card and Paper Co., .	1	Fair,	Repair gates to elevator open- ings.	Complied.
Bay State Corset Co., . . .	1	Fair,	Repair gates to elevator open- ings.	Complied.
Dickinson Hard Rubber Co.,	1	Good,	None,	-
C. M. Lyman & Son, . . .	1	—*	Provide self-closing hatches and gates to protect elevator openings.	Complied.
Agawam Mfg. Co., . . .	2	Good,	None,	-
A. H. Goetting, . . .	1	Good,	None,	-
Chapman Valve Mfg. Co., .	1	Good,	None,	-
E. S. Stacy, . . .	1	Good,	None,	-
E. Stebbins Mfg. Co., . . .	1	Good,	None,	-
Jeremiah Driscoll's Building,	1	Good,	Protect openings to elevator wells by self-closing hatches or gates.	Complied.
P. P. Kellogg & Co., . . .	1	Fair,	Provide new cable,	Complied.
Spaight's Block, . . .	1	—*	Provide automatic gates to elevator openings.	Complied.
Springfield Printing and Bind- ing Co.	3	Good,	None,	-
Springfield Brewing Co., .	2	Good,	None,	-
Wm. Young's Building, . .	1	—*	Provide safety device to ele- vator car; self-closing hatches or gates to openings.	Complied.
Warwick Cycling Co., . . .	2	—*	Provide new cable to elevator,	-
Morgan Envelope Co., . . .	3	Fair,	Keep doors to elevator open- ings closed when not in use.	Complied.
National Needle Co., . . .	1	Good,	None,	-
Electrone Mfg. Co., . . .	1	Good,	None,	-
Holyoke Paper and Card Co.,	3	—†	Provide new cable to elevator at east end of old building.	Complied.
Kibbe Bros., . . .	2	Good,	None,	-
Westfield.				
Edgar Bryant Box Co., . . .	1	Fair,	Gates to elevator openings kept closed when elevators not in use.	Complied.
Wm. Warren Thread Co., . .	1	Fair,	Additional protection to ele- vator openings.	Complied.
Crane Bros.' Paper Mill,	2	Good,	None,	-
Pomeroy & Van Dusen, . .	1	Good,	None,	-
American Whip Co., . . .	1	Good,	None,	-
Town, Fuller Co., . . .	1	Good,	None,	-
Wilbraham.				
Collins Mfg. Co., . . .	4	Good,	None,	-
Williamsburg.				
Hayden Mfg. Co., . . .	1	Good,	None,	-
Ware.				
Otis Co., . . .	8	Good,	None,	-
Chas. A. Stevens & Co., . .	1	Good,	None,	-

* Not good.

† One not good.

Report of Elevators Inspected—Continued.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
West Springfield.				
Mittineague Paper Co., . . .	1	Good,	None,	-
Agawam Paper Co., . . .	1	Good,	None,	-
West Ware.				
West Ware Paper Co., . . .	1	Fair,	Provide gates to elevator openings.	Complied.

*Report of Elevators Inspected.*DISTRICT No. 8. EDWARD B. PUTNAM, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Abington.				
M. N. Arnold & Co., . . .	2	Fair,	Repair gear,	Complied.
W. E. Lyon,	1	Good,	None,	-
Lewis A. Crassett,	1	Good,	None,	-
Braintree.				
D. B. Closson & Co., . . .	1	Good,	None,	-
Williams & Kneeland, . . .	1	Good,	-	-
Bridgewater.				
Bridgewater Box Co., . . .	1	Good,	None,	-
Brockton.				
Bouvé, Crawford & Co., . .	1	Good,	None,	-
George G. Snow,	2	Good,	None,	-
Lilly, Brackett & Co., . . .	1	Good,	None,	-
F. M. Shaw & Son,	1	Good,	None,	-
Nelson Paper Box Co., . . .	1	Fair,	Repair safety,	Complied.
Stacey, Adams & Co., . . .	2	Good,	None,	-
A. C. Thompson,	1	Good,	None,	-
Henry M. Kingman,	3	Good,	None,	-
Brockton Last Co.,	1	Good,	None,	-
Howard & Foster,	1	Good,	None,	-
Howard T. Marshall,	3	Good,	None,	-
T. D. Barry & Co.,	1	Good,	None,	-
F. E. White & Co.,	2	Good,	None,	-
Marcus Leach,	1	Bad,	Repair safety; protect entrances.	-
Lorenzo B. Terry,	1	Good,	None,	-
Thomas White,	3	Fair,	Repair gates; new cables, . .	Complied.
W. L. Douglas Shoe Co., . .	1	Good,	None,	-
E. M. Low,	1	Good,	None,	-
Charles S. Pierce,	3	Good,	Keep hatches closed,	Complied.
Elmer C. Packard,	2	Good,	None,	-
A. M. Herrod,	1	Good,	None,	-
O. O. Patten & Co.,	1	Fair,	New cable,	Complied.
N. R. Packard & Co.,	2	Good,	None,	-
Oliver A. Miller,	1	Good,	None,	-
D. S. Packard & Co.,	1	Good,	None,	-
J. S. Benson & Son,	1	Good,	None,	-
James Means,	1	Good,	None,	-
Field, Hazzard Co.,	1	Good,	None,	-
Brockton Power Co.,	1	Good,	None,	-
Canton.				
Canton Mfg. and Bleaching Co.	1	Good,	None,	-
Dedham.				
John Cochran,	1	Fair,	Repair safety and scupper rope.	Complied.

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Foxborough.				
Inman & Kimball, . . .	1	Good,	None,	-
A. F. Bemis Hat Co., . . .	2	Fair,	Repair safety on both, . . .	Complied.
Caton Bros., Bixby & Co., . .	1	Good,	None,	-
V. S. Pond & Co., . . .	1	Good,	None,	-
Hanover.				
N. V. Goodrich & Co., . . .	1	Good,	None,	-
Holbrook.				
Edmund White, . . .	1	Fair,	New cable,	Complied.
Hyde Park.				
Robert Bleakie & Co., . . .	1	Good,	None,	-
Medfield.				
Searle, Daily & Co., . . .	2	Good,	None,	-
Middleborough.				
Hathaway, Soule & Harrington.	1	Good,	None,	-
Murdock Parlor Grate Co., . .	1	Good,	None,	-
Leonard & Barrows, . . .	1	Good,	None,	-
Clark & Cole, . . .	1	Fair,	Repair safety,	Complied.
Milton.				
New York Biscuit Co., . . .	2	Good,	None,	-
Norwood.				
H. M. Plimpton & Co., . . .	1	Good,	None,	-
John N. Ball, . . .	1	Good,	None,	-
Winslow Bros., . . .	1	Fair,	New cable,	Complied.
Quincy.				
Tubular Rivet and Stud Co., . .	2	Good,	None,	-
Rockland.				
The Rockland Co., . . .	1	Good,	None,	-
Rice & Hutchins, . . .	1	Good,	None,	-
Stoughton.				
J. G. Phinney Co., . . .	1	Fair,	Repair safety,	Complied.
Wallace, Elliott & Co., . . .	1	Good,	None,	-
J. & H. Fitzpatrick, . . .	1	Good,	None,	-
Charles Tenney, . . .	1	Good,	None,	-
George E. Belcher, . . .	1	Good,	None,	-
Walpole.				
Union Sand Paper and Emery Wheel Co.	1	Good,	Keep elevator gates closed, . .	Complied.
Weymouth.				
H. B. Reed & Co., . . .	1	Good,	None,	-
M. C. Dizer & Co., . . .	3	Good,	None,	-
Strong & Garfield Co., . . .	1	Good,	None,	-
John Carroll & Sons, . . .	1	Good,	None,	-
Edwin Clapp, . . .	1	Fair,	Repair safety,	Complied.
Torrey, Curtis & Tirrell, . .	1	Good,	None,	-
E. H. Stetson & Co, . . .	1	Good,	None,	-
George H. Bicknell, . . .	1	Good,	None,	-
John E. Mann, . . .	1	Fair,	Guard entrances,	Complied.
Wrentham.				
Daniel Brown, . . .	2	Good,	None,	-

*Report of Elevators Inspected—Continued.*DISTRICT No. 9. JOHN J. SHEEHAN, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Amesbury.				
Hamilton Woolen Co., . . .	7	—*	New cable for elevator No. 4; guard well for elevator No. 7.	Complied.
Merrimac Hat Co., . . .	1	Good,	None,	—
Biddle, Smart Co., . . .	1	Good,	None,	—
Colchester Mill Co., . . .	1	Good,	None,	—
Bradford.				
Knipe Bros.,	1	Fair,	None,	—
Island Park Co.,	3	Good,	None,	—
Beverly.				
Beverly Building Associa- tion.	4	Good,	None,	—
Winslow & Rogers, . . .	1	Good,	None,	—
Cornelius Murphy, . . .	2	Good,	None,	—
Essex.				
Essex Shoe Co.,	1	Fair,	None,	—
Danvers.				
George Plumer & Co., . .	1	Good,	None,	—
Gloucester.				
Net and Twine Co., . . .	1	Good,	None,	—
Marchant Box Co., . . .	1	Good,	None,	—
Russia Cement Co., . . .	2	Good,	None,	—
Cape Ann Shoe Co., . . .	1	Good,	None,	—
Improved Process Glue Co.,	1	Fair,	None,	—
Groveland.				
Veasey & Hall,	2	Good,	None,	—
Haverhill.				
Chick Bros.,	1	Fair,	Adjust hoisting machinery, .	Complied.
John Owens & Co., . . .	1	Good,	None,	—
John W. Russ,	2	Good,	None,	—
Spaulding & Swett, . . .	1	Good,	None,	—
W. W. Spaulding,	1	Good,	None,	—
A. P. Jaques,	1	Poor,	New cable for elevator car; clean and adjust safety fan on car.	Complied.
Stevens & Co.,	1	Good,	None,	—
J. H. Winchell & Co., . .	2	Good,	None,	—
Gardner Bros.,	1	Good,	None,	—
C. H. Hayes,	3	Good,	None,	—
Tilton & Bragg,	1	Good,	None,	—
Elijah Fox,	1	Good,	None,	—
W. B. Thorn,	2	Good,	None,	—
John A. Gale,	1	Good,	None,	—
C. W. Arnold,	4	Good,	None,	—
Gale Shoe Co.,	1	Good,	None,	—
C. N. Hoyt,	1	Poor,	Repair safety device on car; repair and adjust hoisting machinery.	Complied.
George H. Hoyt,	1	Good,	None,	—
J. B. Swett,	1	Good,	None,	—
E. F. Kelley,	1	Good,	None,	—
Harry Tapley,	1	Good,	None,	—
Wm. Jowett,	2	Good,	None,	—
Levi Taylor,	1	Good,	None,	—
John Pilling,	1	Good,	None,	—
Jesse D. Newcomb, . . .	1	Good,	None,	—
Chase & Laubham, . . .	2	Fair,	None,	—
Kennedy & Newton, . . .	5	Good,	None,	—
C. W. Emerson,	1	Good,	None,	—
Orlando Brown,	1	Good,	None,	—
Edw. Hatch,	1	Good,	None,	—
H. H. Gilman,	1	Good,	None,	—

* Four good, three fair.

Report of Elevators Inspected—Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Ipswich.				
Ipswich Mills Co.,	4	Good,	None,	-
Millett & Woodbury, . . .	1	Good,	None,	-
Ipswich Building Association,	1	Good,	None,	-
Lynn.				
James B. Thomas,	3	-*	New cable for elevator No. 1, .	Complied.
Frank Spaulding,	1	Good,	None,	-
Harney Bros.,	1	Good,	None,	-
Skinner & Scott,	1	Good,	None,	-
Strout Bros.,	3	Good,	None,	-
Blake Estate,	1	Good,	None,	-
P. P. Sherry,	2	Good,	None,	-
P. Lennox,	8	Good,	None,	-
Mower Bros.,	2	Good,	New cables for both elevators,	Complied.
Edw. E. Elder,	4	-†	New cable for elevator No. 4; guard elevator well No. 4 on first floor.	Complied.
Bennett & Moulton, . . .	1	Good,	None,	-
Charles Buffum,	1	Good,	None,	-
George H. Breed,	1	Good,	None,	-
Eaton & Hobbs,	1	Good,	None,	-
J. Otis Marshall,	2	-‡	Repair safety device on car; adjust hoisting machinery No. 2.	Complied.
Russell & Co.,	1	Good,	None,	-
Southworth & Campbell,	1	Good,	None,	-
James Phelan,	1	Good,	None,	-
Pevear & Co.,	2	Good,	None,	-
H. A. Pevear & Sons, . . .	1	Good,	None,	-
G. Webster King,	2	Good,	None,	-
Nathan Breed,	1	Good,	None,	-
Jos. G. Brown,	1	Good,	None,	-
Walter S. Dickson,	1	Good,	None,	-
Chas. E. Harwood,	1	Good,	None,	-
J. C. Bennett,	1	Good,	None,	-
Central Investment Co., . .	2	Good,	None,	-
Marblehead.				
Marblehead Building Associ- ation.	2	Good,	None,	-
Wm. H. Boynton,	1	Good,	None,	-
Newburyport.				
Peabody Mills Co.,	2	Good,	None,	-
Bay State Cordage Co., . .	2	Good,	None,	-
Edw. F. Coffin,	1	Good,	None,	-
Wm. B. Thorn,	1	Good,	None,	-
Towle Mfg. Co.,	1	Good,	None,	-
E. P. Dodge Mfg. Co., . .	3	Good,	None,	-
Newburyport Shoe Co., . .	1	Good,	None,	-
Peabody.				
George J. Winchester, . . .	1	Fair,	None,	-
Franklin Osborne,	2	Fair,	None,	-
C. W. Osborne,	1	Good,	None,	-
Standard Thermometer Co., .	1	Good,	None,	-
R. S. D. Symonds,	1	Fair,	None,	-
T. B. Southwick,	1	Good,	None,	-
Rockport.				
Crowell Mfg. Co.,	1	Good,	None,	-
Salem.				
Charles S. Fuller & Co., . .	1	Good,	None,	-
Hamilton & Balcomb, . . .	2	Good,	Repair self-closing hatches No. 1.	Complied.
I. P. Harris,	1	Good,	None,	-
George L. Newcomb,	1	Good,	None,	-
Charles Harrington,	1	Fair,	None,	-
Frank Tuttle & Co.,	1	Fair,	None,	-

* One fair, two good.

† Three good, one fair.

‡ One good, one poor.

*Report of Elevators Inspected—Continued.*DISTRICT No. 10. JAMES R. HOWES, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Adams.				
Berkshire Cotton Co., . . .	6	Good,	None,	-
Berkshire Cotton Co., . . .	1	Fair,	Repair hatches,	Complied.
Berkshire Cotton Co., . . .	2	Bad,	Provide new shears and springs for safety device.	Complied.
Buckland.				
Rufus Covell,	1	Fair,	Guard hatches,	Complied.
Conway.				
Tucker & Cook Mfg. Co., . .	1	Fair,	New cable or rope,	Complied.
Lee.				
Smith Paper Co.,	2	Fair,	Repair elevator gates, . . .	Complied.
Hulburt Paper Co.,	1	Fair,	Repair springs to elevator, .	Complied.
North Adams.				
W. H. Sperry & Co.,	1	Fair,	Repair gates to openings, . .	Complied.
C. T. Sampson Mfg. Co., . .	1	Fair,	New cable on elevator; guard elevator openings.	Complied.
Beaver Mills,	2	Fair,	Automatic guards for all elevators.	Complied.*
Barber Leather Co.,	1	Fair,	Automatic gate at bottom of elevator.	Complied.
Eclipse Mills,	2	Fair,	Automatic guards for all elevators.	Complied *
Pittsfield.				
E. D. Jones & Son,	1	Fair,	Repair elevator gates, . . .	Complied.
Shaker Mine,	1	Fair,	Safety device on elevator, .	Complied.

*Report of Elevators Inspected.*DISTRICT No. 11. FRANK C. WASLEY, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Dracut.				
Michael Collins Mills, . . .	1	Good,	None,	-
Billerica.				
Faulkner Mfg. Co.,	1	Good,	None,	-
Andover.				
Smith & Dove Mills,	4	Good,	None,	-
North Andover.				
William Sutton's Mills, . . .	1	Good,	None,	-
Methuen.				
Methuen Co.,	6	Good,	None,	-
Arlington Cotton Mills, . . .	6	Good,	None,	-
Lowell.				
Lawrence Mfg. Co.,	17	Good,	None,	-
Lawrence Mfg. Co., Store House.	1	Poor,	Repair safety device, . . .	Complied.
Boott Cotton Mills,	17	Good,	None,	-
Merrimack Mfg. Co.,	17	Good,	None,	-
Merrimack Croquet Co., . . .	1	Good,	None,	-
Lowell Bleachery,	4	Good,	None,	-
F. W. Kitridge Block,	1	Good,	None,	-
U. S. Bunting Co.,	2	Good,	None,	-
U. S. Bunting Co., Worsted Mill.	1	Poor,	Procure new safety device, .	Complied.

* In process of construction.

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Lowell — Con.				
Frank Perkins' Factory, . . .	1	Good,	None,	-
G. W. Fifield Factory, . . .	1	Good,	None,	-
Burks Temperance Institute,	1	Good,	None,	-
Whittier Cotton Mill, . . .	2	Good,	None,	-
Hamilton Mfg. Co., . . .	17	Good,	None,	-
Bon Marché Building, . . .	1	Good,	None,	-
Massachusetts Cotton Mill, .	16	Good,	None,	-
Lowell Machine Shop, . . .	7	Good,	None,	-
Lamson Consolidated Store Service Co.'s Mill.	1	Good,	None,	-
Lawrence.				
Pemberton Mills,	7	Good,	None,	-
Atlantic Cotton Mill, . . .	1	Good,	None,	-
Atlantic Cotton Mill No. 2, .	1	Poor,	Repair safety device, . .	Complied.
Everett Mills,	7	Good,	None,	-
Everett Picker Mill, . . .	1	Poor,	Repair safety device, . .	Complied.
Archibald Wheel Co., . . .	1	Good,	None,	-
E. Frank Lewis Wool Mill, .	1	Poor,	Repair safety device, . .	Complied.
Kress Bros. Wagon Factory, .	1	Poor,	Procure new safety device; re- pair elevator hatch.	Complied.
G. G. Adams Block,	1	Good,	None,	-
C. S. Mayo Paper Mill, . . .	2	Good,	None,	-
George W. Hadley & Co., . .	1	Good,	None,	-
Kress Bros. Wagon Factory, .	1	Good,	None,	-
Arlington Mills,	7	Good,	None,	-
Pacific Mills,	24	Good,	None,	-

BOILER INSPECTION DEPARTMENT.

REPORTS OF INSPECTORS.

BOILER INSPECTION DEPARTMENT.

TOWNS AND CITIES IN DISTRICT ASSIGNED TO EACH INSPECTOR.

INSPECTOR THOMAS HAWLEY (DISTRICT No. 1).

Cambridge, Everett, Malden, Somerville, Stoneham, Wakefield, and Suffolk County.

INSPECTOR DAVID H. DYER (DISTRICT No. 2).

Plymouth County. — Bridgewater, Carver, Duxbury, East Bridgewater, Halifax, Hanson, Kingston, Lakeville, Marion, Marshfield, Mattapoisett, Middleborough, Norwell, Pembroke, Plymouth, Plympton, Rochester, Wareham, West Bridgewater, Bristol, and Dukes, Barnstable and Nantucket counties.

INSPECTOR LOUIS AMELL (DISTRICT No. 3).

Worcester County. — Ashburnham, Athol, Auburn, Barre, Berlin, Bolton, Boylston, Brookfield, Charlton, Clinton, Dana, Douglas, Dudley, Fitchburg, Gardner, Grafton, Hardwick, Harvard, Holden, Hubbardston, Lancaster, Leicester, Leominster, Lunenburg, Millbury, New Braintree, Northborough, Northbridge, North Brookfield, Oakham, Oxford, Paxton, Petersham, Phillipston, Princeton, Royalston, Rutland, Shrewsbury, Southbridge, Spencer, Sterling, Sturbridge, Sutton, Templeton, Uxbridge, Warren, Webster, Westborough, West Boylston, West Brookfield, Westminster, Winchendon, Worcester.

INSPECTOR GEORGE A. LORD (DISTRICT No. 4).

Berkshire County. — Adams, Alford, Becket, Cheshire, Clarksburg, Dalton, Egremont, Florida, Great Barrington, Hancock, Hinsdale, Lanesborough, Lee, Lenox, Monterey, Mount Washington, New Ashford, New Marlborough, North Adams, Otis, Peru, Pittsfield, Richmond, Sandisfield, Savoy, Sheffield, Stockbridge, Tyringham, Washington, West Stockbridge, Williamstown, Windsor.

Franklin County. — Ashfield, Bernardston, Buckland, Charlemont, Colrain, Conway, Deerfield, Erving, Gill, Greenfield, Hawley, Heath, Leverett, Leyden, Monroe, Montague, New Salem, Northfield, Orange, Rowe, Shelburne, Shutesbury, Sunderland, Warwick, Wendell, Whately.

Hampden County. — Agawam, Blandford, Brimfield, Chester, Chicopee, Granville, Hampden, Holland, Holyoke, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, Tolland, Wales, West Springfield, Westfield, Wilbraham.

Hampshire County. — Amherst, Belchertown, Chesterfield, Cummington, Easthampton, Enfield, Goshen, Granby, Greenwich, Hadley, Hatfield, Huntington, Middlefield, Northampton, Pelham, Plainfield, Prescott, South Hadley, Southampton, Ware, Westhampton, Williamsburg, Worthington.

INSPECTOR CHARLES FERGUSON (DISTRICT NO. 5).

Middlesex County. — Acton, Ashby, Ayer, Bedford, Billerica, Boxborough, Burlington, Carlisle, Chelmsford, Dracut, Dunstable, Groton, Littleton, Lowell, North Reading, Pepperell, Reading, Shirley, Tewksbury, Tyngsborough, Townsend, Westford, Wilmington.

Essex County. — Amesbury, Andover, Beverly, Boxford, Bradford, Danvers, Essex, Georgetown, Groveland, Hamilton, Ipswich, Lynnfield, Manchester, Marblehead, Merrimac, Methuen, Middleton, Nahant, Newbury, North Andover, Peabody, Rockport, Rowley, Saugus, Salisbury, Swampscott, Topsfield, Wenham, West Newbury, Gloucester, Haverhill, Lawrence, Lynn, Newburyport, Salem.

INSPECTOR JOHN H. KAZAR (DISTRICT NO. 6).

Norfolk County. — Avon, Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Hyde Park, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Quincy, Randolph, Sharon, Stoughton, Walpole, Wellesley, Weymouth, Wrentham.

Middlesex County. — Arlington, Ashland, Belmont, Concord, Framingham, Holliston, Hopkinton, Hudson, Lexington, Lincoln, Marlborough, Maynard, Natick, Newton, Sherborn, Stow, Sudbury, Waltham, Watertown, Wayland, Weston, Winchester, Woburn.

Plymouth County. — Abington, Brockton, Hanover, Hingham, Hull, Rockland, Scituate, Whitman.

REPORT OF INSPECTOR HAWLEY.

District No. 1.

SIR:—I herewith submit my fourth annual report, covering work done in the inspection of steam boilers and the examination of engineers and firemen. During the year 2,292 applications for examination for license have been received; to this should be added 7,529 applications unacted upon at the date of previous report, making a total of 9,821 applications to be considered during the year. Of this number, I have examined 3,824 men, granting 3,709 licenses and in 115 cases refusing licenses, the men so refused being totally ignorant of a steam boiler, and dangerous men to be allowed to operate a steam plant in any capacity. The fact that the license law made it punishable by fine and imprisonment to operate a boiler without a license, made the demands for examinations by those engineers in search of employment so imperative that the bulk of the year has been devoted to the examination of this large body of men, and the inspection of boilers has of necessity been receiving less attention than I should like. In this work only those boilers that appeared to be of questionable safety were inspected, and of the number inspected 10 were found totally unfit for further use, this number including one school-house boiler.

The last Legislature made some changes in the engineers' license law, the principal one being that those engineers who had been continuously employed in the Commonwealth for the five years next prior to the passage of the act, June 9, should be entitled to their license without further examination, provided they took oath to the fact, and the men for whom they had worked also certified to the fact. This was expected to afford some relief from the work of examination, but very few engineers cared to avail themselves of this exemption. Although the license issued under this exemption clause was identical in every way with the license obtained after passing an examination, less than 300 of the 10,000 in this district cared to avail themselves of the privilege, preferring instead to stand the examination. Notice was sent to all engineers who came under this clause, with the proper blank to fill out, and it is probable, therefore, that this number represents all who intend to avail themselves of this exemption, and, so far as forming any material relief from the great bulk of examinations, this provision has been practically of no assistance.

The work of examination is proceeding as rapidly as possible, and on very much the same lines outlined in detail in my last

report. The matter of written examinations is variously regarded by engineers, and I am steadily in receipt of letters asking for an examination in writing. I find, however, that the majority of engineers can stand a better examination orally, and the work of examination is now wholly oral. The recent division of this district into three districts, by the addition of two new inspectors, has divided the work, so that I have now less than 2,000 applications yet to be examined. Of this number, about 1,000 have been notified to appear for examination and have failed to do so. In many cases the notice did not reach the applicants, and in others conditions prevented their responding, while others have probably gone out of the business. These men will be given another opportunity for examination before their applications are finally passed upon. Looking at the work at this time, it seems reasonably certain that the bulk of the examinations in this district will be completed within three months, and after that time applicants will be examined within a few days of their application, and a more rigid enforcement of the law carried out than has been possible when a man's application must wait six or more months before it could be reached. No prosecutions have been made of men who had applied for a license and who operated an engine pending their examination, the men being willing and ready to take the examination, the large number of applicants making it impossible to reach them for many months. Prosecutions, however, were made of such men as were refused a license and continued to operate an engine or boiler, and in each case the law was upheld and the men fined by the court.

The very large amount of clerical work to be done, without clerical help of any kind in this department, forms a serious drawback to the work, as fully one-third of the time must be devoted to clerical work. Nevertheless, I feel confident in saying that before another year has passed both the license law and the boiler inspection law will be in thorough operation.

Summary of Examinations.

Applicants for license examined,	3,824
Licenses granted:—	
First class,	551
Second class,	408
Third class,	446
Special,	742
Firemen,	1,241
Hoisting,	321
<hr/>	
Total licenses,	3,709
Licenses refused,	115
Licenses revoked,	3

Summary of Inspections.

Boilers inspected,	74
Number of defects found,	174
Number of dangerous defects,	77
Number of boilers ordered repaired,	46
Number of boilers condemned,	10

Boiler Inspection Report.

DISTRICT No. 1.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Boston.					
Murphy & Hill,	Vinegar mfg.,	3	1	Fusible plug; blow-off pipe; safety valve,	Complied.
E. & F. King & Co.,	Store,	3	2	Fusible plug; steam gauge,	Complied.
Wm. Bassett,	Apartment houses,	20	14	Eight boilers, one in each house; safety valves stuck or tied down on six boilers; no gauge cocks or fusible plugs. Ordered safety valves repaired; gauge cocks and fusible plugs.	Complied.
E. & F. King & Co.,	Mfg. purposes,	1	—	New fusible plug,	Complied.
E. H. Richards,	Jeweller,	2	1	Fusible plug,	Complied.
John A. McKie,	Dry dock,	8	2	Boiler condemned,	New boiler.
Richard Dobbins,	Boiler maker,	—	—	New boiler; no orders,	—
Richard Dobbins,	Boiler maker,	—	—	New boiler; no orders,	—
J. J. O'Brien,	Contractor,	2	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	—	—	None,	—
J. J. O'Brien,	Contractor,	2	1	Fusible plug; expand tubes,	Complied.
J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.

J. J. O'Brien,	Contractor,	1	1	Fusible plug,	Complied.
J. J. O'Brien,	Contractor,	-	-	None,	-
Bertelsen & Petersen,	Machine shop,	3	-	Larger safety valve; pipe blow-off; inspirator,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	1	1	Fusible plug,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	1	1	Fusible plug,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	1	1	Fusible plug,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	-	-	None,	-
Geo. McQuesten & Co.,	Lumber mfg.,	-	-	None,	-
Geo. McQuesten & Co.,	Lumber mfg.,	2	-	Repair steam gauge,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	1	1	Fusible plug,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	2	2	Safety valve; fusible plug,	Complied.
Geo. McQuesten & Co.,	Lumber mfg.,	7	3	Condenned,	-
Jackson Typewriter Co.,	Typewriters,	-	-	None,	-
Rogers & Burdett,	Offices,	6	2	Protect dry sheet; repair setting; change feed pipe,	Complied.
Smith & Porter,	General purposes,	1	-	None,	-
Smith & Porter,	General purposes,	-	-	None,	-
Rev. Jas. N. Supple,	Church, St. Francis de Sales,	5	3	Repair setting of boiler; new tubes; fusible plug,	Complied.
Rev. Jas. N. Supple,	Parochial school,	3	1	Repair setting; protect dry sheet,	Complied.
Rev. Jas. N. Supple,	Parochial school,	3	1	Protect dry sheet,	Complied.
Rev. Jas. N. Supple,	Church,	2	-	None,	-
Hotel Reynolds,	Hotel,	1	1	Repair setting,	Complied.
Hotel Reynolds,	Hotel,	3	3	Repair setting; new blow-off pipe,	Complied.

Boiler Inspection Report—Concluded.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Cambridge.					
Ginn & Co.,	Printing,	-	-	None,	-
Ginn & Co.,	Printing,	-	-	None,	-
Gloucester.					
City of Gloucester,	City Hall,	5	2	Condemned,	New boiler.
Lawrence.					
Russell Paper Co.,	Not used,	4	2	Braces tightened,	-
Russell Paper Co.,	Not used,	2	-	None,	-
Russell Paper Co.,	Not used,	3	-	None,	-
Russell Paper Co.,	Paper mill,	3	-	Fusible plug; new blow-off pipes; overhaul settings; caulk leaks; re-roll tubes; pressure reduced on one boiler.	Complied.
Russell Paper Co.,	Paper mill,	4	1		
Russell Paper Co.,	Paper mill,	4	1		
Russell Paper Co.,	Paper mill,	4	1		
Russell Paper Co.,	Paper mill,	5	1		
Mrs. H. F. Spates,	River steamer,	2	-	Overhaul safety valve,	Complied.
Lowell.					
Wamesit Steam Mills Co.,	Saw mills,	5	1	Steam gauges; additional braces; new setting; new connection to glass; lower pressure.	New boiler.

Wamesit Steam Mills Co.,	Saw mills,	6	2	Steam gauge; more braces; new setting; new connections to glass,	New boiler.
Wamesit Steam Mills Co.,	Saw mills,	6	2	New setting; more braces; new pipe connections,	New boiler.
S. A. Fletcher,	Saw mills,	4	1	New fusible plug; scale boiler,	Complied.
Geo. W. Harris,	Loom harnesses,	4	4	Condemned boiler,	-
County Jail,	Jail,	1	1	Check valve on returns,	Complied.
Wamesit Steam Mills Co.,	Saw mills,	5	1	New connections to glass; steam gauge; new fusible plug,	Complied.
Wamesit Steam Mills Co.,	Saw mills,	5	2	Fusible plug; repair setting,	Complied.
Lynn.					
Charles E. Gee,	Machine shop,	-	-	None,	-
W. H. Blake,	Laundry,	2	2	Two boilers, second hand; one condemned,	-
J. Schwartz,	Dyeing,	3	-	Reduced pressure,	Complied.
Malden.					
City of Malden,	Maplewood school,	3	3	Boiler condemned,	New boiler.
Rockport.					
Town of Rockport,	Grammar school,	3	2	Larger safety valve; fusible plug; connect with water supply and blow-off to sewer.	Complied.
Salem.					
Armie Sager,	Pattern shop,	1	-	None,	-
W. L. Cressy,	Machine shop,	-	-	None,	-
Newcomb & Gauss,	Printing office,	1	-	Raise water column,	-
Salisbury.					
Thomas F. O'Neill,	Rock crusher,	2	2	Condemned,	-

REPORT OF INSPECTOR DYER.

District No. 2.

SIR:—In obedience to your request I have the honor to hand you my tabulated annual report of boiler inspections and examinations of engineers and firemen in District No. 2, comprising Plymouth, Norfolk, Bristol, Barnstable, Nantucket and Dukes counties, during the months of August, September and October.

It must be well known to you that the tabulated reports give only a portion of an inspector's work, much of which, though quite as useful and necessary in securing compliance with the laws of the Commonwealth as inspections and examinations, cannot be presented in tabular form.

During the three months of my service I have received nearly five hundred letters, most of them asking for information about the law, which all seemed desirous to know and obey; and, while many of these letters could be answered by mailing copies of the law, a very large proportion of them required written replies.

In making examinations of engineers and firemen, I have been able, through them, to call the attention of many owners and users of boilers to the fact that they were violating the law, and thus secure their willing conformity to its requirements. I have not found a single instance of unwillingness to comply with all requirements, when fairly explained; on the contrary, I have found that owners and users of steam plants universally approve of both the inspection and license laws of the State, so far as my limited observation has extended.

Of course, with my short experience, comments or suggestions of value can scarcely be expected.

Summary of Examinations.

CLASS.	Applica- tions re- ceived.	Applicants examined.	Licenses granted.	Licenses refused.
First class,	33	61	43	—
Second class,	49	71	69	—
Third class,	45	74	84	—
Special,	33	38	67	—
Firemen,	99	138	117	1*
Hoisting and portable,	16	20	20	1
Total,	275	402	400	2

Summary of Inspections.

Boilers inspected,	28
Boilers ordered repaired,	15
Number of defects found,	32
Number of dangerous defects,	2

* For intoxication.

Boiler Inspection Report.

DISTRICT No. 2.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Charles E. Davis, New Bedford, .	Dredging scow, .	3	—	Repair gauge cocks and blow-off valves; put in fusible plug, .	Complied.
Dighton Mfg. Co., North Dighton, .	Waste mill, .	5	1	Put on gauge glass, try cocks and steam gauge; repair setting; put in fusible plug.	Out of use.
County of Bristol, Fall River, .	Court house, .	—	—	(2 boilers.) None,	—
A. W. Pierce, Taunton, . . .	Vinegar works, .	—	—	None,	—
Metacomet National Bank, Fall River.	Stores and offices, .	—	—	(2 boilers.) None,	—
Philander Borden's heirs, Fall River.	Stores and offices, .	2	—	Repair gauge cocks and raise combination,	—
Babbitt, Wood & Co, New Bedford.	Boiler shop, .	1	1	Patch boiler shell,	Complied.
Arthur J. Delano, North Dartmouth.	Soap works, .	1	—	Fusible plug,	Complied.
Town of Falmouth,	Stone crusher, .	—	—	None,	—
J. Arthur Beebe, Falmouth, . .	Pump house, .	—	—	None,	—
Lawrence L. Latter, Falmouth, .	Machine shop, .	2	—	Fusible plug,	Complied.
H. V. Lawrence, Falmouth, . .	Greenhouse, .	1	—	Fusible plug,	Complied.
E. Pierson Beebe, Falmouth, . .	Pump house, .	—	—	None,	—
H. L. Bryant, Brockton, . . .	Stores and offices, .	—	—	None,	—
W. H. Savage, Brockton, . . .	Stores and offices, .	2	—	Check in return pipe; larger feed pipe,	Complied.
C. H. Goldthwaite, Brockton, . .	Stores and offices, .	2	—	Valve in water column; larger feed pipe,	Complied.
Mrs. Lucy C. Field, Brockton, .	Stores and offices, .	2	—	Check in return pipe; valve in water column,	Complied.

Rev. J. J. Williams, West Quincy,	Church,	2	-	Fusible plug, . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Complied.
Rev. J. J. Williams, Quincy, . .	Church,	3	-	Repair gauge cocks and regulators; fusible plug,	. . . . .	. . . . .	. . . . .	. . . . .	Complied.
F. B. Washburn & Co., Brockton,	Stores and offices,	2	-	Raise combination; put in larger feed pipe,	. . . . .	. . . . .	. . . . .	. . . . .	Complied.
F. B. Washburn & Co., Brockton,	Stores and Y. M. C. A.,	1	-	Put on gauge glass,	. . . . .	. . . . .	. . . . .	. . . . .	Complied.
County of Bristol, Taunton, . .	Court house,	-	-	(2 boilers.) None,	. . . . .	. . . . .	. . . . .	. . . . .	-
Taunton Crucible Co., Taunton, .	Crucible works,	-	-	None, . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	-
Wild & Kennedy, Brockton, . .	Stores and offices,	-	-	None, . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	-
Town of Holbrook,	Town building,	3	-	Put check in return pipe; fusible plug; repair connecting nipples,	. . . . .	. . . . .	. . . . .	. . . . .	-

REPORT OF INSPECTOR AMELL.

District No. 3.

In compliance with the rules of the department, I submit to you my annual report.

Upon examination of the books and papers of this office, I was convinced at once that the work of inspecting boilers was far in arrears; I therefore started with a determination to bring this work up to date as soon as possible. Much difficulty is experienced in finding out the location of uninsured boilers, not more than one-fourth of the owners of such boilers reporting them in accordance with the law, many pleading ignorance of its requirements. To place the law before them I have sent copies to those who I suspected had boilers coming under the supervision of the State, and have posted the law in public places. I have met with no difficulty in enforcing the law where the arrangements of the boilers were such as to require repairs or changes in surroundings.

One case will suffice for illustration. In a hotel I found the boiler so near the floor that it was impossible to get on top to the man-hole. The safety valve was beyond the reach of any one; the man-hole had been closed in before the floor was laid, and had not been opened for ten years. The owner was wealthy. I requested that a trap door be cut in the floor large enough so that the man-hole could be removed, and that the safety valve be placed where it could be attended to properly. At first the owner objected strenuously, but when he saw that my orders were imperative, he complied. The result of this inspection showed the following condition of the boiler. The tubes were pitted, so that they had to be removed. The safety valve was so near to a floor timber as to render it inoperative. This was in a public house. Finally, let me say, in this connection, that the owner was not only satisfied when the work was completed, but spoke in the highest terms of the work of this department. I am convinced that the work of this department demands discretion and sound judgment, as well as practical ability, and that the law will give satisfaction as it becomes better understood by those who come under its jurisdiction.

In connection with the examination of engineers and firemen, no difficulty of a serious character has presented itself. Quite a number of applications have been received for re-examination, the applicants not having received what they wanted at the hands of the former inspectors of this district. Such examinations have been refused unless the applicant was changing his position or was going to a situation, then a new application was considered; but

when the applicant was to remain where he was when he received his license, a second examination could not be given until all applicants had been examined.

In conclusion, let me add that general satisfaction is expressed both by employers and employed regarding the working of this law; and property owners are satisfied that many of the long shut-downs and long delays in making repairs are due to incompetency on the part of the men in charge of their steam plants, and that a proper co-operation between employer and employee in this department will secure better service and better workmen.

Summary of Examinations.

CLASS.	Applica- tions received.	Applicants examined.	Licenses granted.	Licenses refused.
First,	14	11	5	—
Second,	12	8	15	—
Third,	16	15	18	1
Special,	33	21	43	1
Firemen,	80	66	30	—
Hoisting,	15	14	22	—
Total,	170	135	133	2

Summary of Inspections.

Number of boilers inspected,	67
Number of defects found,	64
Number of dangerous defects,	17
Boilers ordered repaired,	20
Boilers condemned,	1

Boiler Inspection Report.

DISTRICT No. 3.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Athol.					
Charles M. Lee & Son, . . .	Shoe shop, . . .	—	—	None, . . .	—
Charles M. Lee & Son, . . .	Shoe shop, . . .	1	—	None, . . .	—
Brookfield.					
Thomas F. Murphy, . . .	Hotel, . . .	1	—	Fusible plug, . . .	Complied.
George H. Dean, . . .	Hotel, . . .	2	1	Fusible plug, . . .	Complied.
West Brookfield.					
Olmstead Quabog Co., . . .	Corset mfg., . . .	—	—	None, . . .	—
Town of West Brookfield, . . .	Schoolhouse, . . .	1	—	New fusible plug, . . .	Complied.
Anson Giffin, . . .	Church, . . .	2	—	None, . . .	—
Town of West Brookfield, . . .	Library, . . .	1	1	New fusible plug, . . .	Complied.
Coldbrook Springs.					
Daniel M. Parker, . . .	Saw mill, . . .	—	—	None, . . .	—
North Dana.					
Crawford & Tyler, . . .	Woolen mill, . . .	1	—	None, . . .	—

Fitchburg.

G. E. Clifford,	Bank,	-	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Coal elevator,	-	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Drying sand,	-	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Passenger station,	3	1	Small weight put on safety valve,	. . . . .	. . . . .	Complied.
Fitchburg Railroad,	Hoisting,	1	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Round house,	1	-	None,	. . . . .	. . . . .	-
W. H. Lang,	Laundry,	1	1	Fusible plug, . . . . .	. . . . .	. . . . .	Complied.

East Fitchburg.

Fitchburg Railroad,	Car shop,	1	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Car shop,	1	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Car shop,	1	-	None,	. . . . .	. . . . .	-

Gardner.

Gardner News Co.,	Printing,	1	1	Cheek valve put in feed,	. . . . .	. . . . .	-
Town of Gardner,	Schoolhouse,	-	-	None,	. . . . .	. . . . .	-
Town of Gardner,	Schoolhouse,	-	-	None,	. . . . .	. . . . .	-
Town of Gardner,	Schoolhouse,	-	-	None,	. . . . .	. . . . .	-
Fitchburg Railroad,	Baggage and express,	2	1	Fusible plug, . . . . .	. . . . .	. . . . .	Complied.
Fitchburg Railroad,	Passenger station,	2	1	Fusible plug, . . . . .	. . . . .	. . . . .	Complied.

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Oakdale.					
Worcester County,	Truant school,	2	1	New plug,	Complied.
Warren.					
Town of Warren,	School,	2	—	None,	—
W. H. Ramondell,	Hotel,	3	1	Trap door cut in floor; new flues; safety relocated,	—
E. M. Switzer,	Saw mill,	2	—	None,	—
Payles & Jenks,	Yarn mill,	—	—	None,	—
E. L. Foskett,	Church,	—	—	None,	—
West Warren.					
Town of West Warren,	Schoolhouse,	1	1	Patch or new boiler,	Complied.
Westborough.					
Mrs. H. O. Bernard,	Shop and mfg.,	1	1	Water column lowered,	Complied.
Forest W. Forbs,	Sleigh mfg.,	1	—	None,	—
Worcester.					
H. J. Adams,	Ice cream,	1	1	New fusible plug,	Complied.
William Merryfield,	Shop,	1	1	Pipe removed from safety valve,	Complied.

Boiler Inspection Report — Concluded.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.				Compliances.	
		Total.	Dangerous.						
Worcester — Con.									
Swedish Church Society,	Church, . . .	1	—	None,	.	.	.	.	—
Stephen Salisbury,	Shops, . . .	1	—	None,	.	.	.	.	—
Stephen Salisbury,	Shops, . . .	1	—	None,	.	.	.	.	—
Stephen Salisbury,	Shops, . . .	1	—	None,	.	.	.	.	—
Edward H. Stark,	Shoe shop, . . .	—	—	None,	.	.	.	.	—
H. H. Bigelow,	Machine shop, . . .	3	—	None,	.	.	.	.	—
J. J. Warren Co.,	Shops, . . .	1	—	None,	.	.	.	.	—

REPORT OF INSPECTOR LORD.

District No. 4.

SIR:—In compliance with your request, I herewith send you my second annual report, comprising a tabulated record of all boilers inspected, also a summary of boilers inspected and engineers and firemen examined.

As stated in my last annual report, I have devoted most of my time and efforts to the inspection of boilers. A ready and willing compliance with all the conditions of the law is manifested by every owner or user of steam boilers in my district.

As there are very few high-pressure boilers in this district that are not insured by the boiler insurance companies, the majority of boilers that come under my inspection are low pressure, and used for heating purposes only. Among this class of boilers I find a great many with no hand-holes or man-holes, no provision being made for internal inspection. In most cases I order hand-holes cut in each head; and where the tubes are carried so near to the shell that there is no room for a hand-hole, I have ordered one of the tubes removed and the hole tapped for a brass plug.

Another defect found in wrought-iron boilers used for low pressure is the lack of proper bracing and stays for the area of head above the tubes. In most cases I find simply two pieces of angle iron, riveted to the head. In one case I found a forty-inch boiler without even the angle iron stay. This boiler I condemned, although it was new, and had never been set up.

I find a large number of boilers without safety fusible plugs; the majority of these are, however, boilers that are manufactured outside of the State.

Another question which frequently arises is in regard to the size of the boiler. Usually the owner rates the horse-power of his boiler by the amount of work he is doing with it; some few rate it by the amount of heating surface. The only rule which I have found to give general satisfaction is one-third of a foot of grate surface to a horse-power, as it is easy to convince the majority of owners that by reducing the size of grate surface you diminish the horse-power, and *vice versa*.

Also, in the case of determining the horse-power of engines, I find a great many engines sold for five or six horse-power, but, with the pressure carried and speed run, are developing ten or twelve horse-power. I always figure the nominal horse-power according to data furnished by the parties themselves, which, with a proper explanation, is always satisfactory.

The boiler insurance companies, previous to the passage of the boiler inspection law, were insuring and inspecting boilers which had no fusible plug. Wherever I have found a boiler insured without a plug, I ordered one in, and gave the parties a copy of the law relating to safety fusible plugs. I now find that the boiler insurance companies are ordering plugs put into every boiler insured by them in this State,—return tubular, water-tube and cast-iron sectional.

Quite a number of the boilers which I have inspected have since the inspection been insured by the boiler insurance companies. Previous to my issuance of orders of changes the companies would not insure them, but as soon as my orders had been complied with they took the risk.

With a very few exceptions, all parties who have received orders of changes have complied and received their certificates

Summary of Examinations.

CLASS.	Applicants examined.	Licenses granted.	Licenses refused.
First,	107	37	—
Second,	128	33	2
Third,	164	80	—
Special,	177	373	—
Firemen,	437	459	8
Hoisting,	11	32	—
Total,	1,024	1,014	10

Of the 459 firemen's licenses granted, 181 were special, the applicants having knowledge of but one kind of boiler.

Number of applications received since Oct. 29, 1895,	685
Number of applications received last year,	1,713
Total number of applications received,	2,398

Summary of Inspections.

Boilers inspected,	435
Number of defects found,	300
Number of dangerous defects,	223
Boilers ordered repaired,	55
Boilers condemned,	5

Boiler Inspection Report.

DISTRICT No. 4.

NAME.	Building Used for —	DEFECTS FOUND		Orders Given.	Compliances.
		Total.	Dangerous.		
Huntington.					
Alfred Keeler,	Saw mill,	1	1	Put in plug; put hood on smoke stack,	March 4.
H. E. Stanton,	Saw mill,	—	—	None,	—
Springfield.					
Morrissey & Shea,	Portable hoisting,	—	—	None,	—
M. S. Converse,	Coal pocket,	2	1	Put in plug; put hood on stack,	Nov. 14, '95.
Jesse Button,	Artesian wells,	—	—	None,	—
E. C. Stacy,	Machine shop,	—	—	None,	—
American House,	Hotel,	1	1	Put in plug,	May 9.
American House,	Hotel,	—	—	None,	—
Industrial School,	Industrial school,	1	—	Pipe outlet to safety valve; substitute cock in place of present valve,	—
J. W. Bostock,	Merry-go-round,	1	1	Put patch on fire-box sheet,	—
J. S. Sanderson,	Hoisting,	1	1	Put in plug,	Oct. 15.
C. J. Bellamy,	Publishing and printing,	—	—	None,	—
Hinsdale, Smith & Co.,	Warehouse,	—	—	None,	—
Hotel Chandler,	Hotel,	2	2	Attach three gauge cocks to water column,	Oct. 10.

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Springfield — Con.					
Hotel Chandler,	Hotel,	2	2	Attach three gauge cocks to water column,	Oct. 10.
F. A. Scott,	Wrecking service, . .	1	1	Put in plug,	-
Hampden Brick Works, . .	Brick yard,	2	2	Put in plug; change feed pipes,	-
Hampden Brick Works, . .	Brick yard,	2	1	Put in plug; new tube in place of the one plugged, . .	-
C. J. Bellamy,	Mfg. plant,	-	-	None,	-
Gilmore House,	Hotel,	1	-	Put in three safety valves; put in plug; repair brick work; provide syphon; change safety valve.	-
D. O. Gilmore's block, . .	Stores and offices, . .	-	-	None,	-
J. S. Carr & Co.,	Cracker bakery,	-	-	None,	-
Court Square Theatre, . .	Stores and theatre, . .	-	-	None,	-
Court Square Theatre, . .	Stores and theatre, . .	-	-	None,	-
Court Square Theatre, . .	Stores and theatre, . .	-	-	None,	-
T. M. & W. B. Walker, . .	Bank and offices,	-	-	None,	-
D. O. Gilmore's block, . .	Hotel and stores,	3	2	None,	-
B. Winkler & Son,	Stores and dwellings, . .	-	-	None,	-
N. H. Snow,	Portable hoisting,	-	-	None,	-
George M. Atkins,	Portable hoisting,	1	1	Put in plug,	-
George M. Atkins,	Portable hoisting,	1	1	Put in plug,	-

George M. Atkins,	Portable hoisting,	1	1	Put in plug,	-
George M. Atkins,	Portable hoisting,	2	2	Put in plug and new tubes,	-
George M. Atkins,	Portable hoisting,	1	1	Put in plug,	-
Bidwell & Loomis,	Tobacco house,	-	-	None,	-
Indian Orchard Co.,	Offices,	1	1	Put in plug,	-
North Adams.					
Fred Reuter & Co.,	Brick yard,	2	-	Put in plug; two new tubes,	-
Joseph Ryan,	Hotel,	1	-	Put new gauge cock in water column; repair other two,	Nov. 11, '95.
W. R. Clark & Son,	Laundry,	-	-	None,	-
D. J. Barber & Son,	Leather finishing,	-	-	None,	-
J. T. Gould,	Mfg.,	6	2	Put in plug; five stay bolts in water leg around fire box; put in new water glass; put in gauge cock; change blow-off pipe; put in one-inch lock-pop at thirty pounds pressure.	-
W. H. Lally & Co.,	Sawing wood,	2	1	Put in plug,	Jan. 10.
Porter & Hannon,	Portable hoisting,	1	1	Put in plug,	Dec. 16, '95.
Porter & Hannon,	Portable hoisting,	1	1	Put in plug,	Dec. 16, '95.
Alec McDougal,	Blacksmith's shop,	-	-	None,	-
Y. M. C. A. building,	Offices and Y. M. C. A.,	-	-	None,	-
First Baptist Church,	Church,	-	-	None,	-
E. J. Cary & Co.,	Rag sorting and cutting,	1	1	Put in plug,	Jan. 27.
Congregational Church,	Church,	1	-	None,	-
French Catholic Church,	Church,	-	-	None,	-
Hotel Windsor,	Hotel,	-	-	None,	-

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
North Adams — Con.					
Arnold Power Works,	Power office and machine shop.	-	-	None,	-
P. J. Balan,	Offices,	-	-	None,	-
Seraphin Ruel,	Blacksmith shop,	1	1	Put in plug,	Feb. 8.
Episcopal Church,	Church,	-	-	None,	-
Episcopal Church,	Church,	-	-	None,	-
Beer & Dowling,	Hall and stores,	2	2	Put check valves in return pipes,	-
City of North Adams,	Printing,	-	-	None,	-
Father Matthew Total Abstinence Association.	Opera house,	1	1	Put in plug; put in door in rear wall of setting,	-
Father Matthew Total Abstinence Association.	Opera house,	2	1	Put in plug; put in door in rear wall of setting,	-
Proctor Thayer,	Brick yard,	-	-	None,	-
Hoosic Valley Association Bank building.	Bank and offices,	-	-	None,	-
Hoosic Valley Association Bank building.	Bank and offices,	-	-	None,	-
Universalist Church,	Church,	-	-	None,	-
St. Jean Baptist Society,	Stores and offices,	1	1	Put in plug,	Mar. 11.
Kimball block,	Bank and offices,	1	1	Put in plug,	Sept. 23.
Morris Gatslick building,	Stores and offices,	1	1	Put in plug,	Oct. 15.
Jasper H. Adams,	Stores and offices,	1	1	Put in plug; have iron door at rear end of boiler,	-

[illegible]

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
North Adams — Con.					
J. M. Booler,	Wheelwright and blacksmith shop.	-	-	None,	-
H. R. Hamer,	Washing machine,	-	-	None,	-
Transcript Publishing Co., . .	Printing office,	-	-	None,	-
Hotel Richmond,	Hotel,	-	-	None,	-
Methodist Church,	Church,	3	2	Remove feed, and connect with pipe at rear; put in a two and one-half inch swing check; connect two pipes to sewer; put in brass nipple.	Feb. 1.
Thomas F. Lofters,	Stone working,	1	1	Put in plug,	March 26.
Martin estate,	Stores and offices, .	-	-	None,	-
Wm. J. McGilpin,	Laundry,	1	1	Put in plug,	-
Fitchburg Railroad building, .	Portable hoisting, .	-	-	None,	-
Fitchburg Railroad building, .	Portable hoisting, .	1	1	Put in plug,	-
George Elliott,	Sawing wood, . . .	1	1	Put in plug,	-
Wilson House,	Hotel,	-	-	Condemned,	June 30.
First Baptist Church,	Church,	-	-	None,	-
Beer & Dowling,	Hall and stores, .	2	2	Put check valves in return pipes,	-
Universalist Church,	Church,	-	-	None,	-
Martin estate,	Stores and office,	-	-	None,	-

Williamstown.

Hotel Williams,	.	.	.	.	Hotel,	.	.	.	.	1	Put in plug at rear end; new dry sheet over fire box; repair setting,	.	-
Mrs. Duncan,	.	.	.	.	Hotel,	.	.	.	.	-	None,	.	-
Lindley Bros.,	.	.	.	.	Wood working,	.	.	.	.	1	Put in three-inch safety valve in place of one inch; repair combination valve.	.	Feb. 29.
Hotel Idlewilde,	.	.	.	.	Hotel,	.	.	.	.	-	None,	.	-
Hotel Idlewilde,	.	.	.	.	Hotel,	.	.	.	.	-	None,	.	-
F. H. Daniels,	.	.	.	.	Ice house,	.	.	.	.	-	None,	.	-
Wm. Lalley,	.	.	.	.	Saw mill,	.	.	.	.	-	None,	.	-
Galusha & Torry,	.	.	.	.	Saw mill,	.	.	.	.	1	Put in plug,	.	March 26.
Galusha Bros.,	.	.	.	.	Sawing wood,	.	.	.	.	-	None,	.	-
K. Danforth's Block,	.	.	.	.	Stores,	.	.	.	.	-	None,	.	-
John B. Gale,	.	.	.	.	Post office and store,	.	.	.	.	-	None,	.	-
Anteney Rother,	.	.	.	.	Tenements and hall,	.	.	.	.	-	None,	.	-
John B. Gale,	.	.	.	.	Post office and stores,	.	.	.	.	-	None,	.	-
Geo. K. Simane,	.	.	.	.	Stores,	.	.	.	.	-	None,	.	-
Graham & Noyse,	.	.	.	.	Billiard hall,	.	.	.	.	-	None,	.	-
Buckland.													
C. E. Ward,	.	.	.	.	Saw and grist mill,	.	.	.	.	5	Put in new plug; have the arch in back connection raised one inch above plug; remove scale; repair dry sheet and setting.	.	March 14.
C. E. Ward,	.	.	.	.	Saw and grist mill,	.	.	.	.	-	None,	.	-
Edward Kenney,	.	.	.	.	Saw mill,	.	.	.	.	-	None,	.	-
Herbert Newell,	.	.	.	.	Stores and offices,	.	.	.	.	-	None,	.	-

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Ashfield.					
A. D. Flower,	Grist mill,	-	-	None,	-
Geo. C. Thayer, . . .	Wood working, . . .	6	4	Put plug in rear head of boiler; repair broken brace; put in new glass gauge; put patch on front head; remove leaky tube and put in new; have openings made tight to prevent external corrosion; remove brick work in rear of boiler; have an iron door at bottom large enough to admit of free access to back connection.	Dec. 7, '95.
W. E. Ford,	Saw mill,	1	1	Put in plug,	Nov. 25, '95.
Williamsburg.					
A. C. Morton,	Saw mill,	2	2	Put in five-eighths-inch stay bolt,	Dec. 23, '95.
Graves Bros.,	Blacksmith shop, . .	-	-	None,	-
J. C. Cook,	Blanket mill,	1	-	None,	-
West Farms.					
David O. Scott,	Sawing wood,	-	-	None,	-
Henshaw Bartlett, . .	Sawing wood,	-	-	None,	-
Loudville.					
J. D. Norton & Son, . .	Wood working,	-	-	None,	-
F. H. Davis & Co., . .	Paper mill,	1	-	Put patch on crown sheet,	May 31.

Southampton.

William Erving, Jr., . . .

Russell.

E. S. Coombs, . . .

Orange.

Putnam House, . . .

Stowell & Warrick, . . .

Whitman Growy Co., . . .

Frank L. Breard, . . .

Peter Sleless, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

Town of Orange, . . .

D. L. Crandall, . . .

A. P. Putnam, . . .

Portable saw mill, . . .

Saw mill, . . .

Hotel, . . .

Furniture mfg., . . .

Taploca mfg., . . .

Wood yard, . . .

Portable saw mill, . . .

Schoolhouse, . . .

Schoolhouse, . . .

Schoolhouse, . . .

Fire-engine house, . . .

Fire-engine house, . . .

Schoolhouse, . . .

Schoolhouse, . . .

Town hall, . . .

Town hall, . . .

Hall (lodges), . . .

Stores and offices, . . .

None, . . .

Put hood on stack, . . .

None, . . .

Remove the safety valve; put in lock-pop valve; put in plug; put patch on back of bridge wall; have iron door in back wall, rear of boiler.
Put in plug, . . .

None, . . .

None, . . .

None, . . .

None, . . .

None, . . .

Put in plug; remove one of the smoke tubes in centre of crown sheet; substitute fusible plug.
Put in plug; remove one of the smoke tubes in centre of crown sheet; substitute fusible plug.

None, . . .

None, . . .

None, . . .

None, . . .

None, . . .

None, . . .

Dec. 2, '95.

Jan. 6.

Dec. 30, '95.

Boiler Inspection Report—Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Orange — Con.					
A. P. Putnam,	Stores and offices, . .	—	—	None,	—
Whitney & Hapgood,	Work shop,	—	—	None,	—
Town of Orange,	Road rollers,	—	—	None,	—
Orange National Bank,	Bank,	—	—	None,	—
C. A. Hind,	Saloon and dwellings*, .	—	—	None,	—
Mansion House,	Hotel,	—	—	None,	—
Stowell & Warrick,	Furniture mfg.,	—	—	Condemned,	—
W. E. Smith,	Steam laundry,	1	1	Put in plug,	June 26,
C. C. Brooks,	Store,	—	—	None,	—
W. H. Kaufman,	Woolen mill,	—	—	None,	—
Chase Turbine Wheel Co., . . .	Portable boilers,	—	—	Condemned,	—
Warwick.					
C. A. Williams,	Saw mill,	—	—	None,	—
C. A. Williams,	Saw mill,	—	—	None,	—
C. H. Tenney,	Saw mill,	—	—	None,	—
F. W. Whitney,	Saw mill,	—	—	None,	—
Edward M. Morgan,	Saw mill,	—	—	None,	—

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Wendell — Con.					
F. W. Deloa,	Saw mill,	-	-	None,	-
A. F. Felton,	Saw mill,	-	-	None,	-
Miller's Falls.					
Thos. O'Keefe,	Hotel,	-	-	None,	-
Smith's Ferry.					
W. H. Abbott,	Soap mfg.,	1	-	Remove scale from sheet of boiler,	Jan. 6.
W. H. Abbott,	Soap mfg.,	1	-	Remove scale from sheet of boiler,	Jan. 6.
New Salem.					
Frank W. Deloa,	Portable saw mill,	-	-	None,	-
M. F. Brown,	Portable saw mill,	-	-	None,	-
W. H. Bishop,	Saw mill,	2	1	Put in eight intermediate radia stay bolts in crown sheet; put in hand-hole plate; put in two new tubes in place of old.	June 27.
Greenfield.					
Warner Mfg. Co.,	Cutlery and carriage hardware.	-	-	None,	-

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
East Longmeadow.					
W. W. Mitchell,	Sawing house,	-	-	None,	-
F. A. Champlain,	Well driving,	-	-	None,	-
Norcross Bros.,	Stone quarry	1	-	Put plug in rear head, one and one-half inches above the upper edge of top of tubes. (This boiler was insured by the H. S. B. I. and I. Co.)	Oct. 15.
Westfield.					
City of Westfield,	Schoolhouse,	-	-	None,	-
Frank Fowler,	Heating hotel,	-	-	None,	-
State of Massachusetts,	Boarding house for normal school.	-	-	None,	-
State of Massachusetts,	Boarding house for normal school.	-	-	None,	-
State of Massachusetts,	Boarding house for normal school.	-	-	None,	-
D. Roberts,	Portable saw mill,	-	-	None,	-
Greylock.					
Miss Angelina Owens,	Brick yard,	-	-	None,	-
Shelburne Falls.					
David Temple,	Stone crusher,	-	-	None,	-
David Perry,	Road roller,	-	-	None,	-

Person	Place	Number	Work	Material	Time
F. E. Rand,	Hotel,	-	.	.	None,
F. E. Rand,	Hotel,	-	.	.	None,
Adams.					
M. E. Church,	Society,	-	.	.	None,
W. L. Baker,	Wood yard,	1	.	.	Put in plug,
Bowen & Busby,	Wheelwright shop,	-	.	.	None,
H. J. Arnold & Sons,	Box mfg,	1	.	.	Calk girt seams; make rivets tight,
M. C. Richmond,	Grit mill,	-	.	.	None,
Edward Anthony,	Cider mill,	-	.	.	None,
Jenks, Legate & Daniels,	Stores and post office,	1	.	.	Put in gauge cocks; enlarge and move back iron doors on side of boilers.
Adams Fire Department,	Hose house,	1	.	.	Put in plug,
Albert A. Jones,	Stores, halls, etc.,	-	.	.	None,
Congregational Society,	Church,	1	.	.	Put in safety valve,
Congregational Society,	Church,	1	.	.	Put in safety valve,
Charles E. Legate,	Stores and post office,	2	.	.	Put in gauge cocks; enlarge and move back iron doors on side of boilers.
Baptist Church,	Church,	-	.	.	None,
James B. Dean,	Grist and saw mill,	-	.	.	None,
Richard Briggs,	Cider and grist mill,	-	.	.	None,
Town of Adams,	Town hall,	-	.	.	None,
John H. Allen,	Iron foundry,	-	.	.	None,
L. Y. Tollett & Son,	Lime quarry,	1	.	.	Put in plug,
John M. Burke,	Wood yard,	-	.	.	None,

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Adams — Con.					
Adams Gas Light Co.,	Gas house,	-	-	None,	-
Harry A. Donaghue,	Hotel,	-	-	None,	-
Geo. W. Haff,	Grocery store, etc.,	-	-	None,	-
Joseph Montgomery,	Hotel,	-	-	None,	-
St. Mark Church,	Church,	-	-	None,	-
A. H. Simmons,	Stores,	-	-	None,	-
French Catholic Church,	Church,	1	1	Put in three gauge cocks,	Oct. 23.
F. L. Morse,	Hotel,	1	1	Put in plug,	Sept. 10.
Deerfield.					
Robert Childs & Son,	Saw mill,	1	1	Put in plug; put pressure gauge on north boiler,	May 8.
Robert Childs & Son,	Saw mill,	2	2	Put in plug; put pressure gauge on north boiler,	May 8.
Billings Bros.,	Grist mill,	-	-	None,	-
Cheshire.					
W. B. Dean,	Steam saw mill,	1	-	None,	-
W. B. Dean,	Saw mill,	-	-	None,	-
W. B. Dean,	Saw mill,	1	1	Change outlet to safety valve on boiler No. 1; pipe full area of size of valve.	-

L. B. Wood,	.	.	.	.	.	1	1	Put in plug; change outlet to safety valve to size area of valve,	.	May 18.
Berkshire Glass Sand Co.,	.	.	.	.	.	-	-	None,	.	-
Savoy.										
D. A. & E. L. Haskins,	.	.	.	.	.	1	1	Put in plug,	.	June 4.
D. A. & E. L. Haskins,	.	.	.	.	.	1	1	Put in plug,	.	June 4.
Palmer.										
Woolrich & Co.,	.	.	.	.	.	2	1	Put in plug,	.	Oct. 16.
Mittineague.										
W. T. Mayboy,	.	.	.	.	.	1	1	Put in plug,	.	May 23.
Pittsfield.										
Augustus Robinson,	.	.	.	.	.	-	-	None,	.	-
C. H. Daniels,	.	.	.	.	.	2	2	Put in plug; put in new set of tubes; remove incrustation on top head,	.	Sept. 25.
Berkshire Life Insurance Co.,	.	.	.	.	.	4	4	Condemned,	.	-
Berkshire Co.,	.	.	.	.	.	2	1	Put in three try cocks in each boiler; another steam gauge for other boiler.	.	July 21.
Berkshire Co.,	.	.	.	.	.	2	1	None,	.	-
Geo. W. Armstrong,	.	.	.	.	.	-	-	None,	.	-
R. A. Mamack,	.	.	.	.	.	-	-	None,	.	-
C. M. Wright,	.	.	.	.	.	-	-	None,	.	-
Geo. L. Gorton,	.	.	.	.	.	2	2	Put in plug and new set of tubes; remove incrustation on top head,	.	-
John Butterworth,	.	.	.	.	.	1	1	Put in plug,	.	-

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND		Orders Given.	Compliances.
		Total.	Dangerous.		
Pittsfield — Con.					
John Butterworth,	Hotel,	3	3	Put in three gauge cocks,	-
L. B. Gunn,	Cider mill,	-	-	None,	-
E. A. and C. A. Thomas Bros.,	Cider mill,	-	-	None,	-
First Baptist Church,	Church,	3	2	Put in three try cocks in each boiler; put brass plug in one of the tubes; enlarge doors at back of boiler to at least twelve by fifteen inches.	-
First Baptist Church,	Church,	3	2	Put in three try cocks in each boiler; put plug in one of the tubes; enlarge doors at back of boiler to at least twelve by fifteen inches.	-
Dodge & Dwyer,	Hoisting engine,	1	1	Put in plug,	Oct. 15.
Dodge & Dwyer,	Hoisting engine,	1	1	Put in plug,	Oct. 15.
House of Mercy,	Hospital,	4	1	Have pressure gauge and three gauge cocks, with glass on one side, and three gauge cocks on the other; cut hand hole; remove tube and plug to admit hand-hole plate.	Oct. 15.
House of Mercy,	Hospital,	4	3	Have pressure gauge and three gauge cocks, with glass on one side and three gauge cocks on the other; cut hand hole.	-
House of Mercy,	Hospital,	-	-	Have pressure gauge and three gauge cocks; glass on one side and gauge cocks on other	-
House of Mercy,	Hospital,	3	3	Have pressure gauge and three gauge cocks; glass on one side and gauge cocks on other; iron door in rear of boiler too small.	Oct. 15.
City of Pittsfield,	City Hall,	1	1	Put in three try cocks; remove door at rear of boiler,	Oct. 26.
First Congregational Society,	Church,	-	-	None,	-
St. Stephen's Society,	Church,	3	3	Put in hand-hole plates; enlarge glass gauge connections,	Oct. 22.
—— Noble,	Sawing wood,	-	-	None,	-
Pittsfield House,	Hotel,	3	3	Put in three gauge cocks; put safety valve in No. 1 boiler and increase pressure; enlarge doors in rear twelve by fifteen inches.	Sept. 26.
Berkshire Insurance Co.,	Banks and offices,	4	4	Condemned,	-

Pittsfield House,	.	.	.	.	.	Hotel,	.	.	.	.	.	Put in three gauge cocks; put safety valve in No. 1 boiler and increase pressure; enlarge doors in rear and substitute twelve by fifteen inch.	Sept. 26.
Morris Cleary,	.	.	.	.	.	Hotel and bar room,	.	.	.	.	.	Put in three gauge cocks; remove one of tubes and insert brass plug; enlarge door at rear to twelve by fifteen inches.	Sept. 25.
Edward McFarland,	.	.	.	.	.	Dye house,	.	.	.	.	.	None,	-
Messrs. England Bros.,	.	.	.	.	.	Stores and offices,	.	.	.	.	.	None,	-
H. S. Taylor & Son,	.	.	.	.	.	Clothing store,	.	.	.	.	.	None,	-
F. C. Rice,	.	.	.	.	.	Button establishment,	.	.	.	.	.	None,	-
B. & A. Railroad Corporation,	.	.	.	.	.	Locomotive round house,	.	.	.	.	.	None,	-
B. & A. Railroad Corporation,	.	.	.	.	.	B. & A. station,	.	.	.	.	.	None,	-
N. Y., N. H. & H. Railroad,	.	.	.	.	.	Steam shovels,	.	.	.	.	.	Put in plug,	-
N. Y., N. H. & H. Railroad,	.	.	.	.	.	Heating cars,	.	.	.	.	.	Put in plug,	-
Lathrop & Shea,	.	.	.	.	.	Portable hoisting engines,	.	.	.	.	.	Put in plug,	June 20.
Lathrop & Shea,	.	.	.	.	.	Portable hoisting engines,	.	.	.	.	.	Put in plug,	June 20.
Lathrop & Shea,	.	.	.	.	.	Portable hoisting,	.	.	.	.	.	None,	-
Chatham Furnace Co.,	.	.	.	.	.	Iron ore mfg,	.	.	.	.	.	None,	-
Chatham Furnace Co.,	.	.	.	.	.	Iron ore mfg.,	.	.	.	.	.	None,	-
West Pittsfield Shakers,	.	.	.	.	.	Sawing wood,	.	.	.	.	.	None,	-
Fawcett Ventilating Fireproof Co.'s Building,	.	.	.	.	.	Portable hoisting,	.	.	.	.	.	Put in plug,	July 15.
Hotel Maplewood,	.	.	.	.	.	Hotel,	.	.	.	.	.	None,	-
Hotel Maplewood,	.	.	.	.	.	Hotel,	.	.	.	.	.	None,	-
American House,	.	.	.	.	.	Hotel,	.	.	.	.	.	Raise automatic water feeder; put in plug in each boiler; put check valve in main return pipes in one boiler; make valve in No. 1 boiler tight to prevent leaking. enlarge doors at rear of each.	July 20.
American House,	.	.	.	.	.	Hotel,	.	.	.	.	.	Raise automatic water feeder; put in plug in each boiler; put check valve in main return pipes in one boiler; make valve in No. 1 boiler tight to prevent leaking; enlarge doors at rear of each.	July 20.

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Pittsfield — Con.					
American House,	Hotel,	1	1	Raise automatic water feeder; put plug in each boiler; put check valves in main return pipes in one boiler; make valves in No. 1 boiler tight to prevent leaking.	July 20.
Charles E. West,	Stores and offices, . .	1	1	Put in three gauge cocks; put in check valves,	-
Charles E. West,	Stores and offices, . .	1	1	Put in blow-off pipe,	-
Methodist Episcopal Church, . .	Church,	1	1	Put in try cocks,	-
Methodist Episcopal Church, . .	Church,	1	1	Put in try cocks,	-
J. W. Crouch,	Saw mill,	-	-	None,	-
Kirby & Fakey,	Laundry,	-	-	None,	-
J. Downs & Co,	Saw mill,	-	-	None,	-
L. E. Harney,	Sawing wood,	-	-	None,	-
J. Nagleschmidt,	Stores,	1	1	Put in plug,	July 30.
Renfrew & Milne,	Grist mill,	-	-	None,	-
Cutter, Bardwell & Co.,	Portable hoisting, . .	-	-	None,	-
Merrill Estate,	Stores and offices, . .	2	1	Put in three gauge cocks; put iron door in back wall,	Sept. 29.
James L. Burns,	Stores and offices, . .	2	1	Put in three gauge cocks,	-
Ryan & Hawkins,	Stores and offices, . .	2	2	Put in plug; put in three gauge cocks; replace door inside wall by one twelve by fifteen inches.	Oct. 10.
Dr. J. A. Bracker,	Stores,	1	1	Put in plug,	-

[illegible]

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Ware — Con.					
Town of Ware,	Schoolhouse,	3	-	Enlarge water glass and connect to water column three gauge cocks on one side and water glass on the other, connected by syphon; put in check to return pipe; remove iron door on side, and substitute larger in rear.	-
Episcopal Church,	Church,	-	-	None,	-
William Volk,	Hotel and storehouse,	-	-	None,	-
Ware National Bank,	Bank,	-	-	None,	-
Town of Ware,	Town hall,	1	1	Put in water column for each boiler; enlarge present water glass, and connect to same three gauge cocks on one side and glass on other; enlarge iron doors in the rear and side of boilers, and replace by doors twelve by fifteen inches.	Sept. 26.
Town of Ware,	Town hall,	1	-	Put in water column for each boiler; enlarge present water glass and connect to same three gauge cocks on one side and glass on other; enlarge iron doors in the rear and side of boilers, and replace by doors twelve by fifteen inches.	Sept. 26.
William Volk, Mount Carmel Church.	Parochial school,	-	-	None,	-
C. E. Blood,	Apothecary store,	1	1	Put in three gauge cocks; replace iron door on side of setting by one twelve by fifteen inches.	Oct. 26.
P. H. Lagurdorfe,	Stores,	-	-	None,	-
F. F. Gilmore,	Hotel,	-	-	None,	-
F. F. Gilmore,	Hotel,	1	1	Put in plug,	-
Geo. Eddy,	Shoe mfg.,	-	-	None,	July 22.
Geo. A. Cossin,	Iron foundry,	-	-	None,	-

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Amherst — Con.					
Town of Amherst,	Town hall,	1	1	Put in plug,	Sept. 23.
Amherst College,	Physical and chemical laboratory.	-	-	None,	-
Amherst Creamery Corporation Co.	Creamery,	1	1	Put in plug,	Aug. 22.
Holyoke.					
Percy & Lamontague,	Merry-go-round,	1	1	Put in plug,	Aug. 8.
Presbyterian Church,	Church,	-	-	None,	-
Stockbridge.					
Truesdell & Frarey,	Drilling,	1	1	Put in plug,	Aug. 22.
Hudson Iron Co.,	Mining iron ore,	2	1	Repair dry sheet,	-
Hudson Iron Co.,	Mining iron ore,	-	-	None,	-
Hudson Iron Co.,	Mining iron ore,	-	-	None,	-
Vabor Co.,	Cider mill,	-	-	None,	-
B. & A. Railroad,	Pumping station,	1	1	Put in plug,	Aug. 25.
J. H. Woodruff,	Wood working,	1	1	Put in plug; put in new tubes,	Aug. 22.
Gross & Bryning,	Hoisting stone,	2	1	Put in plug on crown sheet of locomotive boiler and in one tube of vertical tubular boiler.	-
Gross & Bryning,	Hoisting stone,	2	1	Put in plug on crown sheet of locomotive boiler and in one tube of vertical tubular boiler.	-

[illegible]

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Southfield — Con.					
Turner & Cook,	Whip mfg.,	1	1	Put in plug; change outlet to safety valve,	Oct. 19.
Barber & Herrick,	Whip mfg.,	1	1	Put in plug; repair brick work under dry sheet,	Aug. 24.
New Marlborough.					
Michael Daley,	Saw mill,	1	1	Boiler sold, to go to Connecticut,	-
W. B. Gibson & Son,	Saw mill,	1	1	Put in plug,	Aug. 28.
Sandisfield.					
C. E. Smith,	Saw mill,	-	-	None,	-
Chas A. Ives,	Saw mill,	1	1	Put in plug,	Aug. 25.
New Boston.					
Joseph Clark,	Box shop,	1	1	Put in plug,	Aug. 29.
Wm. P. Gladwin & Co.,	Oil of birch,	1	1	Put in plug,	Aug. 29.
Berkshire Creamery Association,	Creamery,	1	1	Put in plug,	Aug. 28.
Chicopee.					
Alexander A. Moore,	Hotel,	-	-	None,	-
Bernardston.					
A. A. Park,	Portable saw mill,	-	-	None,	-

Brimfield.

Wm. F. Bowen,

Portable saw mill, . .

-

None,

Holland.

L. S. Brigham,

Saw mill,

-

None,

West Springfield.

D. J. Curtis,

Portable saw mill, . .

1

Put in plug,

Oct. 12.

Great Barrington.

J. H. Briggs,

Steam laundry, . . .

1

Put in plug,

Kennedy House,

Hotel,

-

None,

Burgett & Lewis,

Stores and offices, . .

3

Put in three gauge cocks; have water glass on one end and gauge cocks on the other; remove tubes in lower row to allow internal inspection; door in the rear end must be enlarged to allow of entry in back connection.

John A. Brewer,

Stores and offices, . .

-

None,

James K. Parker,

Stores and offices, . .

-

None,

Syndicate,

Offices and hall, . . .

3

Put in three gauge cocks; have water glass on one end and gauge cocks on the other, and connect pressure gauge by a syphon; cut hand holes in each end of boilers to allow of internal inspection; enlarge iron doors in rear of boilers.

Syndicate,

Offices and hall, . . .

4

Put in three gauge cocks; have water glass on one end and gauge cocks on the other, and connect pressure gauge by a syphon; cut hand holes in each end of boilers to allow of internal inspection; enlarge iron doors in rear of boilers.

Congregational Church,

Church,

-

None,

Congregational Church,

Church,

3

Put in three gauge cocks; have water glass on one end, gauge cocks on the other, and connect pressure gauge by a syphon; cut hand holes to allow of internal inspection of boilers; enlarge iron doors at rear.

H. J. Mignory,

Grocery store,

1

Put in three gauge cocks,

Boiler Inspection Report—Concluded.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Great Barrington — Con.					
Town of Great Barrington, . .	Town hall, . . .	2	1	Put in three gauge cocks; have water glass on one end, gauge cocks on the other, and connect pressure gauge by a syphon; enlarge doors at rear end; cut hand hole for internal inspection.	-
Andrew J. Hubbell, . . .	Town hall, . . .	2	1	Put in three gauge cocks; have water glass on one end, gauge cocks on the other, and connect pressure gauge by a syphon; enlarge doors at rear end; cut hand hole for internal inspection.	-
Episcopal Church, . . .	Church, . . .	2	1	Put in three gauge cocks; have water glass on one end and three gauge cocks on the other; connect pressure gauge by a syphon; enlarge doors at rear.	-
Caleb Tucker & Son, . . .	Insurance office, . .	-	-	None, . . .	-
Chas. N. Gilbert, . . .	Portable hoisting, . .	1	1	Put in plug, . . .	Oct. 9.
Chas. N. Gilbert, . . .	Printing office, . . .	-	-	None, . . .	-
F. H. Wright, . . .	Stores, . . .	-	-	None, . . .	-
Andy Maher, . . .	Cider mill, . . .	1	1	Put in plug, . . .	Oct. 18.
J. B. Oliphant & Co., . . .	Stores, . . .	-	-	None, . . .	-
Thomas & Palmer, . . .	Saw and cider mill, . .	-	-	None, . . .	-
Town of Great Barrington, . .	Pumping station, . .	1	1	Put in plug, . . .	-
Town of Great Barrington, . .	High school, . . .	1	1	Put in plug, . . .	-
South Egremont.					
Frank D. Bunce, . . .	Portable, . . .	1	-	None, . . .	-
Frank Van Deusan, . . .	Grist mill, . . .	-	-	None, . . .	-

REPORT OF INSPECTOR FERGUSON.

District No. 5.

SIR : — Such facts relative to inspection of boilers and licensing of engineers as have come under my observation for the past year (which I am gratified to state was wholly without accident of any serious nature) I herewith submit to you.

Boilers, from the instant they are put to use, begin to deteriorate, from one cause or another. Cases of the total destruction of a steam boiler could have been avoided had the boiler been constructed, set and operated properly.

An inspector derives much pleasure from meeting a man who understands the boiler which he has in charge, or an owner who becomes interested in his steam plant. But in the majority of places visited by me the owners are without the slightest idea of the construction of a steam boiler, and have been for years relying upon the engineer. Proprietors or owners should look at the matter from a financial or safety stand-point, and the advantage derived therefrom.

Cases of ignorance on the part of owners are numerous, but one will suffice as an illustration. An owner had purchased a superior boiler and intended to have it erected and operated properly. I happened to be in that vicinity, and was requested to inspect said boiler. On investigation I found that the boiler was set so that about one-half of the dry sheet for its entire circumference was exposed to the action of the fire, and, consequently, burned. The rivet heads had snapped off, showing beyond doubt that the expansion of the sheet was carried beyond the strength of rivet; and other parts of said boiler were in similar condition. The owner himself told me that the boiler was originally set in the manner described, he maintaining that that was the proper position and setting.

Cases of boilers being operated without safety valves are the most dangerous to public safety, and constitute a neglect which is criminal. Among the many things that are of great importance on a steam boiler are its fittings. I have known three boilers to be run for years with only one safety valve, and a stop valve on two of the boilers between the safety valve and the boiler. All owners and users of steam boilers, for their own personal advantage and public safety, ought to procure men of recognized ability to perform all work on the erection and attachment of their boilers.

Incidents without number could be related of the abuses of steam boilers; but the application of the provisions of the law

will in due time remedy these abuses, and meet the approval of a grateful public, by whom the value of the work of this department is fully recognized, and the law it is enforcing acknowledged to be second to none on the statute books of the Commonwealth.

The law relating to engineers is being carried out, as can be seen by referring to the tabulated report. As a general thing, it seems to meet with approval.

But the education of the engineer is not yet complete. I hope for the time when the license law for engineers in this State shall be considered a compulsory means of higher education, and consequently insure a better-protected public. Improvement can already be seen in the classes of men who are engaged in the business of steam engineering, even in the short time our present law has been in force.

By the acquirement of a certain amount of knowledge on any subject, whether practical or theoretical, we insure the better development of the faculties. While all cannot become equally proficient in the mechanical world, the industrious student of average talent should earnestly resolve to win success as an engineer, and will find himself successful by combining application and perseverance.

Summary of Examinations.

Total number of applicants examined,	3,362
Total number of first-class licenses granted,	210
Total number of second-class licenses granted,	366
Total number of third-class licenses granted,	317
Total number of special licenses granted,	779
Total number of firemen licenses granted,	1,469
Total number of hoisting and portable licenses granted,	168
Total number rejected,	53
Total number revoked,	2

Summary of Inspections.

Total number of boilers inspected,	44
Total number of boilers ordered repaired,	12
Total number of boilers condemned,	3
Total number of defects found,	187
Total number of dangerous defects found,	131

Boiler Inspection Report.

DISTRICT No. 5.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Fall River.					
St. Dominick's Church, . . .	Church and school, .	1	1	Lighter weight for safety valve; instructions to care for boiler, . .	Complied.
Music Hall,	Music hall,	6	2	Make boiler accessible; remove back bridge wall; renew fusible plug; check on feed and return pipes.	Complied.
M. Heywood & Co., . . .	Braid mfg.,	6	3	Remove corrosion; new blow-off cock; conductor for water from gauge cocks and water glass.	Complied.
Music Hall,	Music hall,	6	4	Make boiler accessible; repair flanges on stop valve; check valve on feed and return pipes; renew fusible plug; remove back bridge wall; put in new tube; protect dry sheet.	Complied.
New Bedford.					
F. T. Aiken,	Coal hoisting,	3	1	Fusible plug; prevent corrosion; lower pressure,	Complied.
F. T. Aiken,	Wood sawing,	3	3	Fusible plug; check and stop valve on feed pipe; prevent corrosion, .	Complied.
F. T. Aiken,	Wood sawing,	2	2	Fusible plug; removal of corrosion,	Complied.
F. M. Denham,	Shirt mfg.,	2	2	Fusible plug; solution of soda to remove sediment,	Complied.
F. W. Luscomb,	Machine shop,	2	2	Fusible plug; stop valve on feed pipe,	Complied.
Babbitt & Wood,	Boiler shop,	-	-	Fusible plug; cut hand holes; repair and alter steam connections; new safety valve.	Complied.
Dedham.					
Allen Evangelical Society, . . .	Church,	2	1	Check valve on feed and return pipes,	Complied.

Boiler Inspection Report — Continued.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
North Carver.					
S. B. & E. W. Thain,	-	-	-	Fusible plug; remove sediment; pressure not to exceed eighty pounds,	Complied.
Carver.					
T. T. Vaughan,	Saw mill,	5	4	Repair boiler house; repair setting at back end of boiler and around dry sheet; remove back bridge wall; new safety valve; maximum pressure not to exceed seventy pounds.	Complied.
Middleborough.					
B. C. Shaw,	Saw mill,	6	3	Renew fusible plug; remove escape pipe from safety valve; pressure not to exceed sixty pounds; corrected steam gauge.	Complied.
J. B. Le Barron,	Saw mill,	7	7	Protect dry sheet; fusible plug; protect back end; remove sediment; repair braces; repair brick work on sides of boiler where it comes in contact with shell; remove escape pipe; maximum pressure not to exceed fifty pounds.	Complied.
Taunton.					
Alexander H. Williams, . . .	Brick mfg.,	3	2	Fusible plug; repair man-hole plate; change feed water,	Complied.
Alexander H. Williams, . . .	Brick mfg.,	6	5	Removal of corrosion; cut hand holes; fusible plug; steam gauge; safety valve.	Complied.
Alexander H. Williams, . . .	Brick mfg.,	7	5	Condemned,	-
R. H. White,	Ice,	3	2	Remove sediment; prevent corrosion; fusible plug,	Complied.
Brockton.					
A. P. Reynolds,	Laundry,	9	8	Condemned,	-
E. L. Bonney,	Box factory,	2	2	Raise combination; larger fusible plug,	Complied.
Wallace L. Varnum,	Wood sawing,	3	2	Cut hand holes; fusible plug; prevent corrosion,	Complied.

Canton.	Robert Draper Sons,	Cotton mfg., . . .	7	5	Boiler No. 1: removal of scale on heads, tubes and shell; brick-work on back end repaired; extra braces on heads; remove piping to safety valve; attach steam gauge.	-
	Robert Draper Sons,	Cotton mfg., . . .	5	4	Boiler No. 2: removal of scale on heads, tubes and shell; repair setting in front and back; removal of corrosion; attach steam gauge; remove escape pipe of safety valve.	-
	Robert Draper Sons,	-	5	4	Boiler No. 3: removal of scale on shell; heads and tubes; attach steam gauge; removal of corrosion; repair setting back of boiler; remove escape pipe from safety valve.	-
	W. W. Brooks,	Hall and stores,	6	5	Patch on front head; renew fusible plug; protect dry sheet; remove external corrosion; repair return pipe.	Complied.
	Elliott School,	School,	5	4	Protect dry sheet; fusible plug; stop valves on steam pipe; tools to operate boiler for man-hole plate; check on return and feed pipes.	-
South Duxbury.						
	Hotel Standish,	Hotel,	3	1	Fusible plug; prevent external corrosion; repair steam joints,	Complied.
	Hotel Standish,	Hotel,	3	1	Fusible plug; prevent external corrosion,	Complied.
Rockland.						
	Wallace House,	Brick mfg., . . .	5	3	Setting at back end repaired; removal of scale on heads, tubes and shell; application of soda ash and kerosene; open blow cock every morning; maximum pressure to be fifty pounds until scale is removed.	Complied.
	Godding Bros.,	Grist mill,	9	6	Removal of first course; fusible plug; setting to be built so as to protect boiler; stop valve on main steam pipe; remove nipple on feed pipe; make joint on plate tight.	Put in new boiler.
North Dighton.						
	Maurice T. Barlow,	Cotton waste,	4	3	Remove sediment; renew fusible plug; protect dry sheet; patch on second course.	Complied.
Highland Lake.						
	George Campbell,	Paper mill,	8	4	Condemned,	-

Boiler Inspection Report — Concluded.

NAME.	Building Used for —	DEFECTS FOUND		Orders Given.	Compliances.
		Total.	Dangerous.		
Falmouth.					
Mrs. L. E. Sabens,	Laundry,	2	2	Safety valve; fusible plug,	Complied.
Augustus Lawrence, . . .	Grist mill,	4	3	Fusible plug; blow-off from bottom at back end, reinforce the same; protect back end.	Complied.
Weymouth.					
F. E. Hobart,	Garment mfg.,	-	-	Fusible plug; larger safety valve,	Complied.
East Freetown.					
Harris E. Chase,	Saw mill,	3	3	Repair boiler house; larger fusible plug; removal of sediment; removal of external corrosion, paint, red lead and boiled oil.	Complied.
South Franklin.					
A. E. Crooks,	Saw mill,	5	3	Repair roof of house; raise water glass; remove corrosion; fusible plug.	Complied.
Franklin.					
John Waterman,	Laundry,	5	4	Renew patch in furnace; renew rivets in leg; renew sheet around furnace door; remove corrosion.	Put in new boiler.
T. B. Allen,	Wood sawing,	5	2	Remove corrosion; raise water column; fusible plug,	Complied.
Fairhaven.					
Town of Fairhaven, . . .	Stone crusher,	7	3	Build house for boiler; removal of sediment, external and internal; fusible plug; engine fly wheel; monthly cleaning.	Complied.

Wrentham.

Town of Wrentham,	School,	4	4	Raise combination; protect dry sheet; fusible plug; put in hand force pump.	Completed.
-------------------	---------	---	---	---	------------

Norton Furnace.

Mrs. L. Austin,	Wood sawing,	3	2	Remove sediment; fusible plug; safety valve,	Not in use.
R. H. White,	Ice,	5	4	Fusible plug; remove sediment; remove bushing from safety valve; pressure not to exceed sixty pounds.	Completed.

REPORT OF INSPECTOR KAZAR.

District No. 6.

SIR: — I respectfully submit the first annual report of my work as inspector of steam boilers and examiner of engineers and firemen.

My duty for the first seven months was confined to Worcester County, and the applications for licenses from that district amounted to nearly three thousand. Several hundred boilers were reported for inspection, and the amount of clerical work incumbent upon the office was excessive.

August 10 I was transferred to Boston, and afterward assigned to District No. 6, which comprises Norfolk and a portion of Plymouth and Middlesex counties.

So great has been the demand for licenses, that my time has been mostly devoted to the examination of men and the issuing of these certificates. I have visited many towns and examined men of a variety of calibre, from the intelligent, thoroughly informed engineer to the ignorant foreigner who cannot speak English and knows only how to shovel coal on a fire. This last class of men is not unfrequently found in small mills, where the sharp competition of trade makes cheap help a consideration, even at the risk of disaster. I have also found them in the employ of large firms and corporations, who are either careless or ignorant of the importance of hiring trained men. Some of these men I have rejected, while others have been placed under the supervision of intelligent engineers and firemen.

During the past year a number of small reference books, treating upon the engine and boiler, has been published and widely circulated. These books are advertised to contain the questions asked by the examiner, with their relative answers. They are misleading, and many young men file applications for first-class licenses upon the superficial knowledge gained from this source. They are disappointed and often indignant that they do not pass the required examination.

A large number of our engineers have been deprived of the privilege of technical knowledge, but by long experience in the care of steam plants have become familiar with every piece and part of the machinery under their charge. These men have proved by years of faithful service their ability to control and use this dangerous but essential element, both for motive power and heating. They are usually highly endorsed by their employers, and always receive a license.

Among the boilers which I have examined I would refer especially to those owned by a large educational institution. These three boilers were of thorough construction, and had been run but a few years, yet I found all of the tubes so badly fitted and in such a deteriorated condition that they were unsafe for use. I promptly ordered them renewed. This involved an expenditure of several hundred dollars, which in my opinion might have been saved had the boilers been under the care of an experienced man.

Since the enactment of the license law a most gratifying advancement in the knowledge of engines and boilers is evident among the rank and file of men employed to run them, and the consequent benefit to employers is unquestionable, while the greater safety of the public must be apparent to all.

Summary of Examinations.

Total number of applicants examined,	2,956
Total number of first-class licenses granted,	183
Total number of second-class licenses granted,	263
Total number of third-class licenses granted,	379
Total number of special licenses granted,	1,071
Total number of hoisting and portable licenses granted,	166
Total number of firemen examined,	866
Total number rejected,	28
Declined examination,	9
Deaths,	3

Summary of Inspections.

Boilers inspected,	14
Boilers ordered repaired,	7
Defects found,	9
Dangerous defects found,	4

Boiler Inspection Report.

DISTRICT No. 6.

NAME.	Building Used for —	DEFECTS FOUND.		Orders Given.	Compliances.
		Total.	Dangerous.		
Worcester.					
People's Savings Bank,	Banking and tenants, .	1	—	None,	—
Reed & Curtis,	Mfg. purposes, . . .	1	—	None,	—
Reed & Curtis,	Mfg. purposes, . . .	1	—	None,	—
Charles Alexander,	Wood yard,	1	—	Safety plug,	Complied.
Clark University,	Educational purposes, .	1	1	Entire new set of tubes,	Complied.
Clark University,	Educational purposes, .	1	1	Entire new set of tubes,	Complied.
Clark University,	Educational purposes, .	1	1	Entire new set of tubes,	Complied.
Boston Street Paving Co, . . .	Street paving,	1	—	None,	—
Stephen Salisbury,	Mfg. purposes,	1	—	None,	—
Stephen Salisbury,	Mfg. purposes,	1	—	None,	—
Leicester.					
A. B. Davidson,	Portable,	1	1	One new tube,	Complied.

Grafton.

H. M. Taft,

. . .

Wool pulling,

. .

1

-

None,

. . .

-

Spencer.

Cyril Carron,

. . .

Brick yard,

. . .

1

1

New safety plug,

. . .

Complied.

Hyde Park.

A. H. Holway,

. . .

Stores and offices,

. .

1

3

New blow-off pipe; enlarged opening of safety valve; repair setting,

. .

Complied.

REPORTS OF ACCIDENTS.

REPORTS OF ACCIDENTS IN MANUFACTURING AND MERCANTILE ESTABLISHMENTS.

An abstract of the records of this department, relating to accidents reported as required by statute, is herewith submitted, in which is presented a list of these occurrences as reported during the year by manufacturing and mercantile establishments. As compared with last year, there is a decrease somewhat in the number of cases, and more especially is this noted where, from certain causes, accidents resulted last year, the number of such this year resulting from the same causes is much less. It is always sad to receive those reports where loss of life has resulted from injuries, but I am gratified to state that the number of fatal cases, as shown by this report, is about one-third less than that which was given a year ago.

From my observation and experience I am ready to state with confidence that the law requiring manufacturers to report these accidents has been proved to be a valuable auxiliary to the enforcement of those other laws which provide for the guarding of dangerous machinery and the consequent protection from injury of the operatives employed thereon. The many investigations of the causes, leading, many times, to serious results, which have been made by the inspectors of this department, have served to them as a study, which has proved most effectual, I think, in bringing information and ideas, and aided much in the care and vigilance exercised in their duties to see that proper means be used to avert, as far as possible, these mishaps. The law which relates to this subject now constitutes sections 8, 9, 10 and 61 of chapter 481 of the Acts of 1894. Originally passed in the year 1886, that statute, together with all others, which were enforced by the inspection department of the district police, came into the revision and codification which was done by the General Court of 1894, thereby enacting

the aforesaid chapter 481. Said sections 8, 9, 10 and 61 read as follows :—

[ACTS OF 1894, CHAPTER 481.]

REPORT OF ACCIDENTS.

SECT. 8. All manufacturers, manufacturing corporations and proprietors of mercantile establishments shall forthwith send to the chief of the district police a written notice of any accident to an employee while at work in any factory, manufacturing or mercantile establishment operated by them, whenever the accident results in the death of said employee or causes bodily injury of such a nature as to prevent the person injured from returning to his work within four days after the occurrence of the accident.

SECT. 9. When notice of any accident is sent to the chief of the district police under the provisions of section eight of this act he shall forthwith return to the sender of such notice a written or printed acknowledgment of the receipt of the same.

SECT. 10. The chief of the district police shall keep a record of all accidents so reported to him, together with a statement of the name of the person injured, the city or town where the accident occurred and the cause thereof, and shall include an abstract of said record in his annual report.

SECT. 61. Any person or corporation failing to send notice of any accident, as required by section eight of this act, shall be punished by a fine not exceeding twenty dollars.

During the year, 897 accidents were reported; among these are included 141 cases where those who were injured were employed at the time at work not connected with running machinery or any motive power. The persons thus engaged were, in the main portion, laborers, and the circumstances in such cases were, of course, many and varied. Add to this number about 250 cases which are not enumerated in the list presented further on, being of that nature which it would be impossible to provide means to prevent their occurrence, and we have a few cases more than 500 where the injuries received were due to causes connected with the operation of machinery, elevators, hoistways and such other facilities necessary in every factory and workshop.

Twenty-three accidents caused loss of life to that number of persons. In 7 cases death was caused by being caught and crushed by elevator car; in 3 others the persons were

fatally injured by being carried around shafting; in 2 others explosion of gas was the cause; and 1 in each of the following-named causes: caught under and crushed by a mule carriage; thrown backward from an emery wheel, striking head against edge of bench; received an electric shock; by the falling of a cast-iron exhaust pipe; being caught between a lathe and the side of the building; burned by the flames of kerosene oil; by falling from the top of an electric pole; struck on head by an iron bar falling, in consequence of a fastening breaking; by the dropping of an elevator car; being caught on driving wheel of an engine; falling through an elevator well. These fatal cases, having been investigated, as far as could be, by the inspectors, are referred to more at length in another place in this report.

In the list of cases which follows, the causes leading to injuries are given, and the number thus injured from each source. The causes not here enumerated will be described in a general way, which will convey some idea as to their nature. The fatal cases are not included in this list.

Injured by machinery, in most cases in shoe factories, cotton, woollen and paper mills and electric works,	291
Injured by machinery in planing mills, machine shops, iron works and other mechanical establishments (23 by circular saws),	85
Injured while employed about general work, principally laboring work,	141
Injured by elevators,	27
By being caught between elevator car and flooring (in most cases while riding on car),	21
By falling of elevator car,	3
By falling through elevator well,	3
Injured by falling through hatchway,	2
Injured by belting, shafting and pulleys,	44
Injured by scalds and burns, chiefly from molten iron and dye vats,	27
Injured by explosions (in 3 cases by gas),	5
Injured by electric shock,	4
Injured by flying shuttle (included in figures first above given),	7
Injured while cleaning machinery in motion, or attempting to remove waste, bobbins, etc., which had fallen into running machinery (included in figures first above given),	123
Injured by causes not here enumerated,	248

The 248 cases of injury arising from causes not enumerated in the foregoing list were of that description to which, very likely, it was intended that the statute would not apply. Among the cases, 41 persons were injured by falls, by stumbling or slipping on wet floors or on stairways; 28 others received injuries by falling from ladders or from staging. There were 82 more hurt in various parts of the body by having been struck by weighty articles which had fallen from trucks and otherwise, and in many instances by cars and trucks having run over their feet. In 33 other cases splinters, nails and pieces of wire injured feet and hands, but in most cases the feet. Flying pieces of steel and sparks from anvils and forges contributed 9 more to the list, and 15 injured their hands while using knives or some kind of cutting tool. All these, with a miscellaneous remainder, constitute what are mentioned as causes not enumerated. The statute makes no distinction in this matter, however, and, whatever may be the cause of an accident, it is received and recorded alike with all others.

One source of injury which some time ago was prominent in these reports was the shuttle, which, becoming detached or breaking away and flying from the loom, inflicted injury, in many instances very serious. Four years ago the number of cases of this kind was 36. Each year since has shown a reduction in the number till the present, when, by reference to the list as already presented, the number of such cases is reported as 7. This fact in itself is very gratifying, and is evidence that methods for better security are being adopted, and have already served to greatly lessen the evil.

As in previous reports, attention is called in the present one to the many cases where accidents happened as the result of carelessness on the part of the persons injured in cleaning running machinery, or attempting to remove from same waste, bobbins or other materials which had in some way got entangled therein. There were 123 persons injured in this manner, or nearly one-third of the entire number injured while operating machinery. The report of last year showed in this respect about the same proportion. Whatever the safeguards may be which are provided for human

protection, they are of little avail where reckless or thoughtless persons venture on such chances.

The great majority of injuries sustained were of a slight nature. Injury to the hand and arm constituted the largest proportion, the number being 531, and of these injury to the thumb and fingers numbered 324. In each of 2 cases three fingers were lost, in each of 4 cases two fingers were lost and in each of 11 cases one finger was lost. Partial loss of one or more fingers occurred in 53 cases. In each of 5 cases one hand was lost. There were 10 cases where the arm was broken and about as many cases of sprained wrist. No serious injury is reported in any case to the foot. Seven persons suffered from broken legs. About 50 cases reported injury to the head, but few were of a serious nature. One person suffered the loss of an eye. In 6 cases ribs were broken and other parts of the body were more or less injured, but in few cases reported seriously.

In a case where loss of one hand was the result, the circumstances were as follows: the man who met with this accident was in a room where there was an exhaust fan used for the purpose of taking out steam from the room. He put his hand up to ascertain how much draft there was to the fan. Placing his hand too near, it was caught and drawn in, and injured so that he was sent to the hospital, where it was found necessary to amputate the hand at the wrist. It was his left hand.

Another case was that of a female operative who was at work tending four cards. She had stopped one card and was cleaning same, being at the time in a stooping posture. In moving about, her dress was caught in one of the cards in motion, and she was pulled from her feet and thrown against the frame. Her jaw was split and she received a fracture on one side. She was taken home, and a doctor attended to her injuries. It was his opinion that the wounds would heal without leaving any disfigurement.

There was a case of another female operative who was sitting on a waste box between the ends of spinning frames, her hair being worn in a long braid. In some manner her hair was caught by one of the belts, and the scalp was torn from the back of her head, causing a frightful wound. She

was taken to the hospital and attended, where at last report her condition was thought to be favorable.

While at work in a leather shop, a man in handling a four-ply rope caused it in some way to get around his neck, the other end of the rope getting caught in a revolving shaft, and he was drawn over the shaft once, when, fortunately, the rope broke, and he was released. His injuries were attended to at his home. When last heard from he was progressing favorably.

A man was on a step-ladder engaged in cleaning shafting, when the middle finger of the left hand was caught in the waste he was using, and was wound around the shafting and torn off at the middle joint. At the same time he was thrown to the floor, and struck against the side of an opener machine. He sustained a comminuted fracture of the bones of his left arm near the wrist, and it was feared that he received internal injuries.

A boy employed in one of the mills met with an accident causing the loss of his left arm. He was sixteen years of age, worked in the card room, and was what is known as an "alley boy." It seems that the man employed on the machine where the accident occurred went away for a time and left the iron door on the card open, and while away it is supposed the boy came along and rested his elbow on the frame of the card, and while in this position his elbow slipped, causing his arm to be caught on the carding of the cylinder, and drawing the arm between the cylinder and the door frame. Before the card could be stopped his forearm was horribly crushed. He was held fast in the card some twenty minutes before he could be extricated, the machine having to be taken apart in order to release him, and meanwhile the sufferings of the unfortunate boy were intense and pitiful. When taken to the hospital it was found necessary to amputate the arm about one inch below the shoulder.

A narrow escape from a fatal result was the case of a workman who was in the dry room getting stock from the dryer. He got on top of a frame for the purpose, and was caught and carried around the shaft which runs through the room from the main shaft. There were no projections from the shaft at the part on which he was caught. Fortunately,

he escaped without serious injury, and the doctor who attended him reported that one or two weeks would bring about recovery.

A workman employed in a machine shop, in attempting to unwind a belt which had wound itself around the shafting, had his left hand caught on the shaft in such a manner that the hand was torn off above the wrist.

The circumstances in each of the cases resulting fatally, so far as the same could be obtained by inquiry and investigation, are a part of the record of these reports, and they are here given substantially as the written report in each case was filed in this office. In those cases where the sad occurrence was not witnessed by any one, of course, to arrive at a conclusion regarding its origin, the immediate and silent surroundings alone furnish us with information of any kind, and thus it must remain only a matter of conjecture. The inspectors, however, in cases of this kind, are enjoined to diligent and searching examination, to secure everything possible. As in previous reports, the name of the person is given, the city or town and the establishment where the fatal accident happened, as follows: —

ARTHUR ABBOTT, Lawrence. Washington Mills Company. Date of accident, Jan. 6, 1896. Abbott was attempting to put a belt on a pulley of counter shaft which was running to the ceiling of the woollen spinning room, when in some manner he was caught on the same and was injured to such an extent that he died.

DANIEL CARNODY, Worcester. Bowler Bros. Date of accident, Jan. 6, 1896. This accident was caused by Carnody being caught between the elevator platform and top of door casing to elevator shaft. No one saw the accident. He was last seen to pull the shipper rope to bring the elevator down, and it is supposed that before getting on the car he reversed the motion in order to go up, and in attempting to step on the car he slipped, falling on the platform, with part of his body hanging over the same, and before he could recover himself was caught, as before stated. Workmen on the next floor, hearing his outcry, ran to his assistance and reversed the elevator. His back was found to be broken, and he lived but a few minutes after the accident.

FRED. HISCOCK, Chelsea. Magee Furnace Company. Date of accident, Jan. 20, 1896. Hiscock was at work as a carpenter, and was engaged in tearing down a shed where there had been a fire. There was a line of shafting running the length of this shed, about ten feet from the ground. Hiscock was on some cross-beams, pushing along some timber, when he slipped, and, instead of jumping to the ground, some five or six feet, he threw himself upon the shafting, which caught his clothes, and he was carried around the shaft, his body striking against the plank walk which was over the shafting. Several men who witnessed it ran to stop the speed, which was shut off at once. His injuries were such as to cause his death a short time after the accident.

JOHN W. HENDRY, Fall River. Borden Block. Date of accident, Jan. 20, 1896. Hendry was with two other boys in the corridor of the building, about seven o'clock in the evening, waiting for admission to the performance in the Academy of Music, which is in the block. A lady who was on her way up stairs to a meeting saw the boys. When she had reached the fourth floor, she heard a scream from below, and, descending to learn the cause, she saw the Hendry boy lying on the third floor near the elevator. She at once gave the alarm. From all the circumstances it is supposed that Hendry went to the elevator on the third floor for the purpose of having a ride, and, finding the door to the well fastened, he climbed up to the transom, which was open, and, leaning over it, took hold of the starting rope and started the elevator up. As it rose, the top of the elevator caught his head, crushing it against the top of the transom, the elevator ascending to the top of the building and the boy falling to the floor, where his body was found, the right side of the head being completely torn off.

ANDREW BERGIN, Boston. Pintseh Compressing Company. Date of accident, Feb. 3, 1896. This accident was caused by Bergin being caught in the driving wheel of the engine. He was seen by one of the employees at about 7 o'clock P.M., and some few minutes later was found dead, his head and arm in the driving wheel.

NORA HALEY, Boston. Clifton Manufacturing Company. Date of accident, Feb. 5, 1896. Nora Haley was seen on the third floor of the building, going in the direction of the elevator. She was found at the bottom of the elevator well and removed to the hospital, where she died soon after. How the accident occurred could not be ascertained.

FREDERICK BARKER, Fall River. Slade Mills. Date of accident, Feb. 10, 1896. Barker was employed as a back boy in the mule room. He discovered that an oil can had fallen from the end of a roller beam. Spilling the oil on the floor, he secured a piece of waste and crawled under the roller beam to wipe up the oil, and while so engaged, and before he could get out from under the beam, his head was caught between the moving mule carriage and leg of beam, crushing it in a horrible manner. He died about an hour after the accident.

FRED. DEROSIERS, Lowell. Lowell Machine Shop. Date of accident, April 3, 1896. Derosiers was at work at an emery wheel, polishing steel coverings to fly frames. He was holding one of the coverings upright on the wheel, which is covered with leather, throwing the top end over, which struck him on the forehead, cutting him badly between the eyes, and knocking him ten feet backwards, striking his head on a bench, and receiving injuries at the base of the brain. He was conveyed to his home, where he died on April 10 from the effects of his injuries.

WILLIAM HAYES, Springfield. United Electric Light Company. Hayes was employed as a dynamo engineer. Discovering that something was wrong with the electric current, he reported the matter to the inspector, who directed him to make the necessary changes on the switch board. While doing this Hayes held in his hand a conducting cord, which connects the two sides of the switch board. He had drawn one of the plugs attached to the cord from the board, when his hand came in contact with the socket on one of the wires. The full current entered his body through the right hand, causing almost instant death.

ELLEN LAPLANTE, Lowell. Appleton Company. Date of accident, May 21, 1896. This accident was caused by the falling of a cast-iron pipe, one hundred and forty feet long, running obliquely across the weaving room. It was a ten-inch pipe, and was suspended from the floor beams above. It was held by rods every eight feet. From some cause unknown, one of these rods broke, causing the whole pipe to tear from the ceiling. The Laplante girl was leaning over her loom, when one length of the pipe, weighing about eight hundred pounds, fell on her back and neck, pinning her to the loom and killing her instantly. It took four men to lift the pipe from her body.

JOSEPH B. ROBINS, Boston. Apartment house, 20 Mt. Vernon

Street. Date of accident, June 15, 1896. Robins was employed to run the passenger elevator. Between 12 o'clock and 12.30 Robins conveyed two passengers to the sixth floor. On arriving at the sixth floor the passengers left the elevator. Robins then caused the elevator to ascend several feet to its extreme height. From the position in which he was found, it is presumed that he raised himself up so as to get his body over the edge of the roof or shed floor, and in so doing by some means came in contact with the wheel used to move the elevator, causing the car to descend, catching his body between the top of the car and the edge of the shed floor, crushing him to death.

ALFRED J. BARKLEY, Boston. North Packing and Provision Company. Date of accident, June 19, 1896. Barkley was employed as a distributor of mail. At about 6.25 P.M. it is supposed that Barkley, having mail to deliver to the employees of the upper floor, attempted to get onto the elevator car, and in so doing stumbled over the combing of the sill to the entrance of the elevator and caught hold of the wire rope to save himself from falling, which act caused the elevator to ascend, catching him between the car and the side of the elevator well. He was carried up nearly to the top floor, and was crushed to death. He knew nothing of the workings of the elevator, and had been employed only about ten days. His body had to be extricated by cutting the floor of the elevator car.

JOHN O'NEIL, Fall River. Fall River Machine Company. Date of accident, Aug. 11, 1896. O'Neil was employed at the above-named machine shop. On the first floor of the shop is an iron planer running the entire width of the shop. An opening in the wall had to be made to allow the table to run in about five or six inches. It is supposed that O'Neil left his work to look out of a window situated over the opening in the wall at a passing train of cars, and while standing at the window the planer table came back on him, crushing him between the wall and table. He was taken to the hospital, where he died at 9.30 P.M.

JAMES J. DALEY, Worcester. Rice & Griffins Manufacturing Company. Date of accident, Sept. 7, 1896. Daley was employed as a fireman. He made a heavy fire under one of the three boilers, and upon closing the fire doors an explosion took place, filling the space in front of the boilers with flames. Daley was burned about the head, arms and body. He was conveyed to the city hospital, where he died on the 18th of September.

HENRY E. BLAKE, Holyoke. Holyoke Paper Company. Date of accident, Sept. 15, 1896. Blake was employed as an oiler and general workman about the mill. On the morning of the above date he was seen to go into the engine room, as it is supposed, to fill the kerosene feeders used for supplying the tubular boilers with kerosene oil. In a few minutes after he came running out of the room, his clothes being ablaze. One of the employees threw water over him and extinguished the flames. His body was badly burned, and he was removed to the hospital, where he died several days afterwards.

THOMAS LYNCH, Salem. M. Robson Paper Company. Date of accident, Sept. 17, 1896. Lynch had proceeded to repair the drain that conveys the bark when ground from the mill where it is stored. The space to work in was very narrow, and quite close to the shaft that operated the mill. He failed to stop the power, although the shipper was but a short distance from him. Some one had removed the covering from the shafting, causing it to be exposed. The clothing of Lynch was caught on the swiftly revolving shaft, and he was whirled around and horribly injured. He was conveyed to the hospital, where he died on the afternoon of the same day.

HIRAM T. GREGG, Springfield. United Electric Light Company. Date of accident, Sept. 26, 1896. Gregg was a lineman in the employ of the above company. On the afternoon of September 26 he sustained a fracture of the skull, from which he died at the city hospital. The immediate cause of the accident was the slipping loose of a knot in a rope attached to a pair of tackle blocks, which were being lowered from the top of a pole, allowing the blocks to fall in such a manner that one of them struck Gregg, who was about fifteen feet from the ground, on another pole immediately adjoining. The blow knocked him from the pole, causing him to fall backwards, striking on his head.

BARNEY WOXLEY, Fall River. Richard Borden Manufacturing Company. Date of accident, Oct. 9, 1896. Woxley was engaged in the mule room stretching cotton binding for use on the spinning mule. To stretch this binding it had to be passed over a cleat fastened to the ceiling secured by two one-half inch lag screws, which had held secure for the past twenty years or more. Woxley, with two other boys, was putting on the binding to stretch it, when both bolts which held the cleat broke off, causing the cleat to come down with great force, striking Woxley on the

head, fracturing his skull. He was removed to the hospital, where he died the same afternoon.

GEORGE STEAVENS, Lowell. Hamilton Cotton Mills. Date of accident, Oct. 23, 1896. Steavens had charge of the elevator in Mill No. 4. On account of the overloaded condition of the elevator, when it was started, one of the five bushel baskets, being too high, came in contact with the floor above, which pushed the truck boxes which were on the elevator towards Steavens, crowding him off the elevator, he having but a very small space to stand on. Catching the floor of the elevator, he held on till the elevator reached the floor above him. He was caught between the floor and elevator, in the middle of the body, breaking his back and right arm. He lived but five minutes after he was released from the elevator.

FRANK BOHLAND, JOHN WILLIAMSON and THOMAS WILLIAMSON, West Upton. William Knowlton & Sons. Date of accident, Nov. 10, 1896. This accident occurred in a small brick building containing a new gas plant which was nearly completed, and was being put in operation. There was a naphtha tank which had a leak. Bohland was about to commence repairing the leak when an explosion took place, filling the room with flames. Bohland and the two Williamsons were so badly burned that they died shortly after the accident.

ALEXANDER MCCAUGHAN, Boston. Houghton & Dutton. Date of accident, Oct. 29, 1896. McCaughan was employed at Houghton & Dutton's, on the freight elevator. By some means one of the ropes jumped the sheave, causing the elevator to fall. McCaughan was injured so badly that he had to be conveyed to the hospital, where he died at 3 o'clock the same day of the accident.

J. E. BAILEY, Boston. Webster, Cook & Co. Date of accident, Nov. 7, 1896. Bailey was employed as a cabinet maker. A few minutes before 7 o'clock he went into the establishment, and, appearing somewhat confused, was asked by one of the employees what was the matter. Bailey, placing his hands to his head, replied that he had dreadful pains there. After a few minutes he went into the elevator car and sat down upon the seat. A noise as of dripping water was heard, appearing to come from the direction of the elevator. An employee, looking towards the elevator, found that it had ascended, and the door to the well was open. Upon further investigation it was found that blood was dripping

down from overhead, and upon looking up he discovered the head of Bailey hanging down under the elevator car. The elevator had gone up and crushed him between the wall and the edge of the elevator floor. His neck was horribly crushed, and when found he was dead. It is supposed that Bailey, feeling badly, arose from his seat in the elevator, became dizzy and fell forward, grasping the rope in his fall, which caused the elevator to ascend. His neck was so wedged between the side of the well and the elevator as to cause the elevator to stop.

RANDOLPH TROTTIER, Fall River. Tecumseh Mill No. 2. Date of accident, Nov. 24, 1896. William Churnley, together with Trottier and another employee, were on the elevator, returning from the first floor to the upper floor with a load of boxes and other articles. Trottier laid himself across one of the boxes, which is equipped with a truck, so as to be pushed along the mill floor. Just before reaching the mule room the box upon which Trottier lay, it is supposed, worked out, so that it protruded beyond the edge of the elevator platform. As the elevator was ascending, the protruding box was caught by the under side of the mule room floor, and Trottier's head was crushed between the edge of the box and the floor. The top of his head was torn off just above the eyes and pushed over back of the head. He was killed almost instantly.

DETECTIVE DEPARTMENT.

REPORT OF THE DETECTIVE DEPARTMENT.

INCREASE OF CRIME AMONG JUVENILES.

The ranks of ignorance, idleness and vice are too readily recruited, even under conditions most favorable to a contrary state. A late issue of the "Law Journal," London, comments on a new volume of criminal statistics, published by the "Home Office," showing that convictions for burglary, robbery and forgery are increasing, and that nearly a third of the burglaries are committed by youths between sixteen and twenty-one. In our own State, during the year 1895, out of the total number of 774 committed to the reformatory at Concord, 483 were minors.

The significance of such statements is startling, and it is not enough to say that the weak and nerveless treatment of offenders, the inadequacy of punishment and the false notions concerning the criminal classes are responsible for the increase of crime among the youth of our country; for it must be admitted that the ranks of juvenile offenders, in some sections at least, are being swelled at an alarming rate.

The adoption of the strictest criminal code and its rigid enforcement is but the beginning of what needs to be done. The chief remedy for crime is not the punishment of criminals. To mow the weeds from the field is but a partial remedy, as another season a similar crop will appear. Weeds can only be kept down and as nearly extirpated as possible by preoccupying the soil with food products. Is there any way to prevent the making of criminals?

It was once contended that it was an injury to the child's mind to inculcate precise notions of morality and religion. Let the child grow up with a mind open and unprejudiced, and in mature years form its own opinions. But, if you want a crop of wheat or corn, you must prepare the soil and sow suitable seed, otherwise your land will be prejudiced in favor of weeds. Something will influence youth in its primitive period. What shall it be?

The reformatory agencies connected with our Massachusetts prison system have been shown by the concurrent testimony of the wisest experts to be conducted on right lines and to be justified by results. Many of our best citizens, and of honorable women not a few, have applied themselves for years to the solution of the question, What is the most effective method available for the reformation of juvenile offenders?

The courts of the State, in dealing with this class, have recognized the wisdom of trying probation, especially in first offences, and in those cases whose special circumstances appear to promise favorable results. Such leniency must be shown under any administration of law which tempers justice with mercy. If that leniency is occasionally proved to be mistaken in its object, it remains true that it must be recognized in any administration of law which pretends to be humane.

But we must go farther back than the treatment of acknowledged criminals if we would reach the sources of the problem of crime. We must prevent the constant additions to the ranks of juvenile offenders. The causes that create criminals must be ascertained and removed. *Among the most prolific causes of juvenile offenders is truancy.* The Commonwealth has made ample provisions for the education of all the children within its borders. The suppression of ignorance is a long stride in the direction of good citizenship.

Among the difficulties encountered are the indifference and lack of discipline shown by parents. In proof of this, look at the streets of our cities after nightfall, swarming with rude, loud-voiced, unmanly boys, taking their first lesson in "hoodlumism," a preliminary stage of crime, and it must be apparent that home training and wholesome restraint are sadly lacking in these reckless youths. Long before they reach maturity many of them have crossed the line which separates good morals from vice and shame. And, even if their wrong-doings are misdemeanors, and not the more serious crimes, they are sure to bring misery and shame in their train.

The history of many of the complaints under the statute

relating to stubborn children discloses much that makes clear the evil and the remedy. Disobedience to the lawful commands of parents, keeping company with idle and dissolute persons, frequenting improper places, growing up in ignorance and idleness, wandering about the streets at unreasonable hours of the night, reading dime novels,—these are the facts brought to light in numerous cases in which complaints are made against stubborn children.

In a very few cases probation is sufficient to restore the offenders to the ranks of the law-abiding. In much the greatest number commitment follows, and the offender comes under control, exercised in some suitable institution, during minority. But the appalling fact remains that multitudes graduate into a life of crime, and become defiant of all lawful authority.

The key to the situation is the prevention of crime by such influences and agencies as the wisest experience has shown to be effective.

A child trained to habits of attention and industry is half saved from perilous influences. “An idle brain is the devil’s workshop.” Any bright boy or girl may be interested in some useful employment. Ambition to excel is a powerful motive. No child, however well disposed, should have the absolute choice of his companions nor control of his time.

Mental training is no longer the distressing experience that it was formerly to multitudes. Instruction by abstract ideas, that conveyed little or no meaning, has been largely superseded by methods of which the kindergarten is a type.

It is impossible to specify all the means that must be employed to save children from crime. But we should insist that whatever is necessary to prevent the recruiting of the ranks of the criminal class shall be done. It costs the Commonwealth less to educate the children than to provide and maintain reformatory institutions.

When good citizens more fully realize their responsibility, and take effective steps to arrest the evils which threaten to increase the number of juvenile offenders, the result will justify their efforts.

The chief remedy for crime, then, is to save the children

from criminal associations. The homes, *the schools* and other agencies must exert their legitimate influence. It must be remembered that local authorities have jurisdiction to regulate, and, if necessary, suppress, degrading, demoralizing and corrupting shows, exhibitions and performances. Some of these not only encourage the attendance of juveniles, but derive much of their support from this class. In every town and city there is a public sentiment which, if organized, would be strong enough to secure the suppression of these dangerous menaces to the welfare of society.

It has been contended that children are better off at work in factories, workshops and stores, than to grow up in ignorance and idleness. But such employment is open, under our laws, only to children who have had a stated amount of schooling and who are of a prescribed age. There is a large class who, for one or both reasons, are ineligible to that employment.

The child problem challenges universal attention. One of the most impressive statements recently made public relates to the city of New York. Superintendent Jasper states that in that city there are 192,929 children attending public schools; 35,285 attending all the other schools, including private and parochial; 22,780 at work, simply because they cannot find room in the schools; 983 who have seats reserved for them in the public schools, *habitual truants*; and 166,516 children who neither work nor go to school. The statistics of other large centres of population will of course vary in the aggregate; but, making these allowances, it will be readily seen that a state of things exists which calls for serious consideration.

WORK PERFORMED BY THE DETECTIVE DEPARTMENT.

A large amount of strictly detective work is done by this force from year to year, the results of which cannot be tabulated or set forth in detail in reports of this department. When complaints are made, as thorough an investigation as possible follows. But in some cases it happens that a patient examination of all the facts discloses either the insufficiency of the evidence or the innocence of the accused.

Much time is employed in such service, and frequently without satisfactory results, notwithstanding the officer's vigilance and fidelity.

In the organization of the district police the Legislature manifestly intended to provide the governor with a force that could be instantly summoned by him to act in any part of the State for the suppression of disorder and crime and the preservation of the public peace. The existence of such a force, representing the authority of the Commonwealth, for the preservation of the peace, not restricted in jurisdiction to town and county limits, exerts a repressive influence which can scarcely be overestimated.

SPECIAL DUTIES.

Officers of the force have been called upon for special duty at Andover, Athol, Cambridge, Centennial Grove, Clinton, Cottage City, Cummington, Douglas, Falmouth, Great Barrington, Lake Waldron, Lexington, Marshfield, North Adams, Pittsfield, Provincetown, South Framingham, South Weymouth, Sturbridge, Taunton, Westford and Worcester.

ARRESTS.

Arrests have been made to the number of 531; total number of cases investigated, 1,191; total value of property recovered, \$17,879.01.

REPORTS OF OFFICERS, BY DISTRICTS.

Berkshire and Hampden Counties.

Officer Moses H. Pease. Total number of cases investigated, 159; total number of arrests, 115.

Among the most important cases investigated were the following:—

OSCAR L. HALL. Crime, perjury. Turned over to New York officers.

JOHN M. HALL. Crime, perjury. Turned over to New York officers.

FREDERICK A. HOBBS. Crime, embezzlement. Found guilty; sentenced to not less than six years nor more than ten years in State Prison.

PROSPER LORETTE. Crime, adultery. Found guilty; defaulted.

CHARLES A. THAYER. Crime, adultery. Case now pending.

MICHAEL O'NEIL. Crime, adultery. Case now pending.

CLARENCE E. FAY. Crime, arson. Case now pending.

Barnstable, Bristol, Dukes and Nantucket Counties.

Officer Simeon F. Letteney. Total number of cases investigated, 92; total number of arrests, 40; total value of property recovered, \$615.

Among the most important cases investigated were the following:—

ISAAC SMALL. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

FRANK BUSH. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

LESTON W. SMALL. Crime, breaking and entering. Found guilty; case placed on file.

HIRAM B. ELDRIDGE. Crime, adultery. Found guilty; sentenced to two years in the House of Correction.

LYLLIAN ROGERS. Crime, adultery. Found guilty; sentenced to two years in the Reformatory Prison for Women.

ALBERT W. ROOD. Crime, forgery. Found guilty; sentenced to the Massachusetts Reformatory.

MANUEL ROGERS. Crime, assault with a dangerous weapon. Found guilty; sentenced to pay a fine of \$50.

ALLISTON D. ROGERS. Crime, breaking and entering. Indicted. Found not guilty.

OLIVER POCKETT. Crime, larceny. Found guilty; sentenced to three months in the House of Correction.

MILLARD F. GREY. Crime, larceny. Found guilty; sentenced to pay a fine of \$15.

WARREN R. AUSTIN. Crime, assault with intent to kill. Case pending.

EUGENE R. CHILDS. Crime, rape. Indicted. Case pending.

ENRICO GALLARINI. Crime, murder. Indicted. Case pending.

Officer Thomas A. Dexter. Total number of cases investigated, 81; total number of arrests, 28; total value of property recovered, \$357.

Among the most important cases investigated were the following:—

WILLIAM B. PEASE. Crime, assault and battery. Found guilty; sentenced to ninety days in jail.

FRANK CHARLESWORTH, *alias* FRANK C. CARTLEGE. Crime, larceny and forgery. Found guilty; sentenced to six years in State Prison.

JOSEPH MEDERIOS. Crime, polygamy. Indicted. Awaiting trial.

JULIA L. DANZELL. Crime, burglary. Found guilty; sentenced to four years in the Reformatory Prison for Women.

PETER LYNCH. Crime, burglary. Awaiting trial.

JOHN KING. Crime, larceny. Found guilty; case placed on file.

EVERETT P. PELLIS. Crime, attempt at rape. Indicted. Awaiting trial.

JAMES BARNADO. Crime, larceny from building. Found guilty; case placed on file.

GEORGE BARNARDO. Crime, larceny from building. Found guilty; case placed on file.

Officer George F. Seaver died Dec. 31, 1895. The following is a report of his work since last report: Total number of cases investigated, 7; total number of arrests, 2.

Officer Alfred B. Hodges was appointed a member of the department Jan. 6, 1896, in place of George F. Seaver, deceased. Total number of cases investigated, 72; total number of arrests, 16; total value of property recovered, \$453.

Among the most important cases investigated were the following:—

ORRIN H. GOFF, *alias* GEORGE V. NELSON. Crime, breaking and entering and larceny. Found guilty; sentenced to three years in State Prison.

ALBERT C. CRANE. Crime, accessory to incendiarism. Awaiting trial.

H. BUTLER CRANE. Crime, incendiarism. Awaiting trial.

JOHN GREEN, *alias* JOHN PHELPS. Crime, forgery and uttering. Found guilty; sentenced to three years in State Prison.

Essex County.

Officer Daniel W. Hammond. Total number of cases investigated, 75; total number of arrests, 16; total value of property recovered, \$168.

Among the most important cases investigated were the following:—

MARY L. EDWARDS. Crime, arson. Found guilty; sentenced to fifteen months in the House of Correction.

JOSIAH BROWN. Crime, larceny. Found guilty; sentenced to two months in the House of Correction.

JOHN ALLEN. Crime, embezzlement. Case pending.

ANDREW NOLAN. Crime, breaking and entering. Case pending.

GEORGE BUTLER. Crime, obtaining money by false pretence. Case pending.

HERMAN G. BARNES. Crime, embezzlement. Case pending.

JOHN EMMETT. Crime, larceny. Found guilty; sentenced to pay a fine of \$30.

DENNIS MCKENNA. Crime, larceny. Turned over to Portland, Me., officers.

Officer George C. Neal. Total number of cases investigated, 67; total number of arrests, 18; total value of property recovered, \$229.

Among the most important cases investigated were the following:—

DANIEL DONOHUE. Crime, indecent assault. Found guilty; sentenced to fifteen months in the House of Correction.

GEORGE VARNEY, *alias* JAMES C. DUFFY. Crime, larceny from building. Found guilty; sentenced to not less than three years nor more than five years in State Prison.

EDWARD J. FRANCIS. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

JOHN M. HICKEY. Crime, embezzlement. Found guilty; case placed on file. Hickey was arrested in New York City, N.Y., and brought back on requisition papers.

CLARENCE MURPHY. Crime, embezzlement. Found guilty; sentenced to not less than ten years nor more than fifteen years in State Prison. Murphy was arrested in San Francisco, Cal., and brought back on requisition papers.

TIMOTHY J. LANE. Crime, highway robbery. Found guilty; sentenced to not less than eight years nor more than twelve years in State Prison. Lane was arrested in Tyrone, Penn., and brought back on requisition papers.

HENRY W. CALSON. Crime, embezzlement. Awaiting trial. Calson was arrested in Belfast, Me., and brought back on requisition papers.

THOMAS H. HOWARD. Crime, forgery and uttering. Found guilty; sentenced to not less than three years nor more than five years in State Prison. Howard was arrested in Philadelphia, Penn., and brought back on requisition papers.

WILLIAM A. ANDREWS. Crime, larceny. Found guilty; sentenced to six months in the House of Correction.

EDWARD J. FLYNN. Crime, embezzlement. Awaiting trial.

WILLIAM A. MILLER. Crime, forgery. Awaiting trial.

GEORGE E. FAULKNER. Crime, breaking and entering. Awaiting trial.

WILLIAM E. CALLBERK. Crime, breaking and entering. Awaiting trial.

HUGH OSBORNE. Crime, larceny from building. Awaiting trial. Osborne was arrested in Philadelphia, Penn., and brought back on requisition papers.

Franklin and Hampshire Counties.

Officer Benson Munyan. Total number of cases investigated, 100; total number of arrests, 25; total value of property recovered, \$500.

Among the most important cases investigated were the following:—

CHARLES WILSON. Crime, breaking and entering. Found guilty; sentenced to eight years in State Prison.

HENRY CORCORAN. Crime, breaking and entering. Found guilty; sentenced to eighteen months in the House of Correction.

GEORGE MOAT. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

HENRY BIRD. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

CHARLES L. WARREN. Crime, abuse of female child. Found guilty; awaiting sentence.

HENRY FISHTIC. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

WILLIAM J. CARROLL. Crime, adultery. Found guilty; sentenced to eighteen months in the House of Correction.

IDA FLEURY. Crime, lewdness. Found guilty; sentenced to fifteen months in the House of Correction.

FRED SQUIRES. Crime, larceny of team. Found guilty; sentenced to Massachusetts Reformatory.

MANLEY STETSON. Crime, abuse of female child. Awaiting trial.

Middlesex County.

Officer Josiah A. Bean. Total number of cases investigated, 129; total number of arrests, 72; total value of property recovered, \$261.45.

Among the most important cases investigated were the following:—

PATRICK SULLIVAN. Crime, murder. Found guilty of murder in the second degree; sentenced to State Prison for life.

PATRICK J. FOLEY. Crime, murder. Found guilty of murder in the second degree; sentenced to State Prison for life.

CORNELIUS NAGLE. Crime, murder. Found guilty of murder in the second degree; sentenced to State Prison for life.

ANGELO S. SCHRODER. Crime, larceny of team. Found guilty; sentenced to five years in State Prison.

JOHN MORRILL. Crime, highway robbery. Found guilty; sentenced to not less than three and one-half years nor more than five years in State Prison.

WILLIAM C. HALL. Crime, forgery. Found guilty; sentenced to four years in the House of Correction.

JAMES SHAY. Crime, breaking and entering. Found guilty; sentenced to two years in the House of Correction.

GEORGE SMITH. Crime, breaking and entering. Found guilty; sentenced to two years in the House of Correction.

PATRICK S. COOLEY. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

HENRY P. COSTELLO. Crime, assault with a dangerous weapon. Found guilty; sentenced to six months in the House of Correction.

CHARLES E. MCGREGOR. Crime, larceny from building. Found guilty; sentenced to the Massachusetts Reformatory.

JOHN C. NEWCOMB. Crime, larceny from building. Found guilty; sentenced to the Massachusetts Reformatory.

GEORGE MAHONEY. Crime, attempt to commit rape. Found guilty; placed on probation.

LOUIS RUBEN. Crime, larceny of team. Found guilty; defaulted.

JULIUS RUBEN. Crime, larceny of team. Found guilty; defaulted.

DANIEL T. YOUNG. Crime, assault with a dangerous weapon. Found guilty; sentenced to nine months in the House of Correction.

RICHARD S. LILLIE. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

ALBERT J. KEOUGH. Crime, breaking and entering. Found guilty; sentenced to not less than three years nor more than four years in State Prison.

SAMUEL DOYLE. Crime, lewdness. Found guilty; sentenced to the Massachusetts Reformatory.

GEORGE RILEY. Crime, lewdness. Found guilty; sentenced to eight months in the House of Correction.

THOMAS S. CASSIN. Crime, polygamy. Awaiting trial.

MORRIS C. LITTLEFIELD. Crime, breaking and entering. Awaiting trial.

GIOVNI B. TOSSI. Crime, assault with a dangerous weapon. Awaiting trial.

MARTHA LECUYER. Crime, abortion. Awaiting trial.

CHARLES S. HOOPER. Crime, accessory to abortion. Awaiting trial.

Officer Jophanus H. Whitney. Total number of cases investigated, 135; total number of arrests, 46; total value of property recovered, \$13,050.56.

Among the most important cases investigated were the following:—

TIMOTHY CRONIN. Crime, larceny from building. Found guilty; sentenced to the Massachusetts Reformatory.

IRE W. W. TAYLOR. Crime, defrauding an insurance company. Awaiting trial.

MARCUS SPRING. Crime, breaking and entering (four counts). Found guilty; sentenced to the House of Correction for two years on one count and on the other counts sentenced to the Massachusetts Reformatory for five years, said sentence to take effect upon the expiration of prior sentence.

CHARLES TREMAINE. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

WALTER OLIVER. Crime, breaking and entering. Found guilty; sentenced to five years in State Prison.

CHARLES A. LYONS. Crime, burning a building. Awaiting trial.

PATRICK J. LYDEN. Crime, burning a building. Awaiting trial.

FRANK D. PARKS. Crime, burning a building. Awaiting trial.

HARRIETT F. HALL. Crime, attempt to commit abortion. Found guilty; sentenced to one year in the Reformatory Prison for Women.

JONATHAN G. HUNTON. Crime, conspiracy to defraud. Found guilty ; awaiting sentence.

CHARLES CLAPP. Crime, conspiracy to defraud. Found guilty ; awaiting sentence.

FRED A. GEORGE. Crime, conspiracy to defraud. Indicted. Acquitted.

HUGH T. MAGUIRE, Jr. Crime, conspiracy to defraud. Indicted. Acquitted.

CLEVELAND CHENEY. Crime, conspiracy to defraud. Indicted. Acquitted.

JAMES M. TAGNEY. Crime, larceny from building. Found guilty ; sentenced to the House of Correction.

ROBERT R. HOWEY. Crime, larceny from building. Found guilty ; sentenced to the House of Correction.

GEORGE ALBEE. Crime, defrauding an insurance company. Awaiting trial.

REUBEN JOHNSON. Crime, defrauding an insurance company. Awaiting trial.

GEORGE M. BRUCE. Crime, breaking and entering and larceny. Found guilty ; sentenced to three years in State Prison.

Norfolk and Plymouth Counties.

Officer George C. Pratt. Total number of cases investigated, 73 ; total number of arrests, 30 ; total value of property recovered, \$350.

Among the most important cases investigated were the following : —

JOHN E. SULLIVAN. Crime, burglary. Found guilty ; sentenced to the Massachusetts Reformatory.

JOHN E. O'LEARY. Crime, burglary. Found guilty ; sentenced to the House of Correction.

JOHN L. CARTER. Crime, forgery. Found guilty. Placed on probation.

JOHN E. SULLIVAN. Crime, breaking and entering. Found guilty ; sentenced to the Massachusetts Reformatory.

WILLIAM L. QUIGLEY. Crime, breaking and entering. Died in lock-up.

WILLIAM H. FURGESON. Crime, larceny. Found guilty ; sentenced to the House of Correction.

FRED BATES. Crime, breaking and entering and larceny. Found guilty ; placed on probation.

EDWARD L. MARTIN, *alias* JOHN LONG. Crime, breaking and entering. Awaiting trial.

MICHAEL FITZGERALD. Crime, breaking and entering. Awaiting trial.

JOHN H. STAPLES. Crime, forgery. Awaiting trial.

Suffolk County.

Officer Frederick A. Rhoades, detailed for duty at headquarters. Total number of cases investigated, 62; total number of arrests, 39; total value of property recovered, \$15.

Among the most important cases investigated were the following:—

GEORGE J. LINDNER. Crime, forgery and uttering. Found guilty; sentenced to not less than four years nor more than eight years in State Prison. Lindner was arrested at Yonkers, N. Y., and brought back on requisition papers.

ALBERT E. LYNCH. Crime, making a false nomination paper. Found guilty; sentenced to four months in the House of Correction and fined \$500.

JOHN F. NEWBEGIN. Crime, assault, false imprisonment and extortion. Indicted. Awaiting trial. Newbegin was arrested at Old Orchard, Me., and brought back on requisition papers.

Worcester County.

Officer Peleg F. Murray. Total number of cases investigated, 69; total number of arrests, 20; total value of property recovered, \$1,880.

Among the most important cases investigated were the following:

BENJAMIN TOWNSEND. Crime, arson. Found guilty; sentenced to not less than five years nor more than ten years in State Prison.

JOHN McDONALD. Crime, breaking and entering. Found guilty; sentenced to two years in the House of Correction.

JOHN ROBINSON. Crime, breaking and entering. Found guilty; sentenced to three years in the House of Correction.

JAMES THOMPSON. Crime, breaking and entering. Found guilty; sentenced to not less than twelve years nor more than eighteen years in State Prison. Thompson was arrested in New York City, N. Y., and brought back on requisition papers.

THOMAS RYAN. Crime, breaking and entering. Found guilty; sentenced to not less than twelve years nor more than eighteen years in State Prison. Ryan was arrested in New York City, N. Y., and brought back on requisition papers.

HIRAM P. GERALD. Crime, embezzlement. Found guilty; sentenced to seven years in State Prison.

JOHN FULTON. Crime, breaking and entering. Found guilty; sentenced to two years in the House of Correction.

JOHN MORAN. Crime, murder. Pleaded guilty to manslaughter; sentenced to not less than twelve years nor more than fifteen years in State Prison.

JOHN HOLLARAN. Crime, arson. Found guilty; sentenced to not less than nine years nor more than twelve years in State Prison.

ERNEST KENDALL. Crime, larceny. Found guilty; sentenced to pay a fine of \$75.

THOMAS LAWRENCE. Crime, false pretences. Found guilty; sentenced to three years in State Prison.

CORA PHILLIPS. Crime, larceny. Found guilty; placed on file.

JAMES WARD. Crime, perjury. Found guilty; placed on file.

FRANK E. HERRICK. Crime, rape. Case now pending.

CHARLES R. GRAHAM. Crime, arson. Case now pending.

MARY J. STANTON. Crime, arson. Case now pending.

WILLIAM M. BOND. Crime, arson. Case now pending.

SPECIAL DUTY.

By authority of chapter 389 of the Acts of 1888, William H. Proctor was appointed an additional district police officer, and it was made my duty, upon said appointment, to detail him for service under the direction of the Commissioners on Inland Fisheries and Game. For purposes of record I herewith append his report, relating to the operations of the fish and game laws, which it is his special duty to enforce:—

REPORT OF OFFICER WILLIAM H. PROCTOR.

Total number of cases investigated, 70; total number of arrests, 64; amount of fines imposed, \$3,614 50.

I have patrolled Buzzard's Bay in the steamer "Ocean Gem" from May 16 to October 8.

I have furnished blanks for about 1,000 fishermen, seized 11,372 short lobsters and planted 1,500,000 eggs.

ENFORCEMENT OF LAWS RELATING TO FISH AND GAME.

The suggestion has been made that under the existing statutes the direction of the enforcement of the laws relating to the fisheries in Buzzard's Bay is so divided that the best results are not secured. The officers in command of the "Ocean Gem," which is the boat detailed for the purpose of enforcing such laws, are assigned by the chief of the district police, and are nominally subject to his orders; they also act as deputy fish commissioners, and are subject to the control of the Fish Commissioners. No actual conflict of authority has occurred; on the contrary, the relations between the Fish Commissioners and this department have been harmonious and agreeable; but it is worth the consideration of the Legislature whether better results cannot be achieved if the control of the officers employed in this service should be placed under one executive head. While it is not my desire to add to the duties of the office, especially by diminishing the power of any other commission or department of the Commonwealth, I respectfully suggest, in view of the fact that the special duty of the officers in this department is the enforcement of penal laws, that it is reasonable to expect better results and a more efficient administration if the officers designated to enforce the provisions of the laws relating to fisheries are put under the sole charge of the chief of the district police.

Captain Proctor, who is assigned for this special duty, reports to me that, "under the present system, there is considerable unnecessary delay in receiving complaints. Complaints that come to this office have been forwarded to the commissioners and from them to me, while complaints are liable to be sent to the commissioners while they are absent on private business, and by the time I receive the complaints it is too late to attend to them."

The commissioners having no established headquarters, it is impossible, under such conditions, to give complaints of violations that prompt attention which insures success in the enforcement of the laws relating to fish and game. Under no consideration do I desire to reflect upon the action of the honorable gentlemen who comprise the Board of Commis-

sioners. But, in view of the many complaints that have been received by me during the past year, and the failure to reach the officer promptly, owing to my lack of knowledge of his whereabouts, it seems to me that some better method should be adopted to enforce the laws relating to fish and game. It is reported to me by the officer that orders sent him oftentimes conflict, and that he would obtain better results if the business were under one head.

CONSOLIDATED STATISTICAL REPORT.

Abortion,	2	Keeping a disorderly house, . .	6
Abuse of female child, . .	2	Keeping a gaming house, . .	1
Accessory to procuring abortion,	1	Larceny,	53
Adultery,	11	Larceny from building, . .	9
Arson,	7	Larceny of team,	7
Assault and battery, . . .	40	Lewdness,	7
Assault, false imprisonment and extortion,	1	Making false nomination paper,	1
Assault with dangerous weapon,	4	Malicious mischief,	11
Assault with intent to kill, .	1	Manslaughter,	1
Attempt to break and enter, .	3	Murder,	1
Attempt to commit abortion, .	2	Non-support of family, . . .	3
Attempt to commit rape, . .	3	Obstructing an officer, . . .	1
Bail bond,	2	Obtaining goods by false pretence,	1
Bastardy,	3	Obtaining money by false pretence,	5
Being present at illegal gaming,	5	Practising medicine, not being registered,	6
Breaking and entering, . . .	49	Perjury,	4
Burglary,	3	Polygamy,	4
Burning a building,	6	Profanity,	6
Capias,	2	Rape,	4
Conspiracy to defraud, . . .	6	Receiving stolen property, . .	3
Criminal trespass,	6	Selling lottery tickets, . . .	1
Cruelty to animals,	4	Stubborn child,	1
Defrauding insurance company,	3	Transfer of prisoners,	37
Disturbing the peace, . . .	59	Uttering forged paper, . . .	1
Embezzlement,	7	Vagrant,	11
False registration,	1	Violation of the engineers license law,	2
Felonious assault,	1	Violation of the fishery law, .	30
Filing false nomination paper,	1	Violation of the game law, . .	16
Forgery,	5	Violation of the insurance law,	3
Fornication,	3	Violation of the liquor law, .	19
Highway robbery,	4	Violation of the lobster law, .	12
Idle and disorderly,	1	Violation of the milk law, . .	1
Illegal gaming,	4	Violation of the oleomargarine law,	1
Illegal peddling,	3	Violation of the Sunday law, .	3
Indecent assault,	1		
Indecent exposure of person, .	1		
Insanity,	2	Total,	531

ROSTER OF THE MASSACHUSETTS DISTRICT POLICE.

RUFUS R. WADE, *Chief.*

CENTRAL OFFICE: State House, Boston, entrance Derne Street.

BRANCH OFFICES: Fall River, Lowell, North Adams, Salem, Springfield and Worcester.

Department of Inspection of Factories, Workshops and Public Buildings.

NAME.	District Assigned.	Residence.
Lewis F. F. Abbott,	District No. 5,	Worcester.
Henry J. Bardwell,	District No. 1,	Boston.
Edwin Y. Brown,	District No. 4,	East Boston.
Charles E. Burfitt,	District No. 1,	Boston.
Warren S. Buxton,	District No. 7,	Springfield.
Ansel J. Cheney,	District No. 8,	Beverly.
Joseph M. Dyson,	District No. 5,	Worcester.
John E. Foulds,	District No. 6,	Fall River.
Joseph Halstrick,	District No. 2,	Boston.
James R. Howes,	District No. 10,	Holyoke.
John L. Knight,	District No. 7,	Springfield.
Frederick W. Merriam,	District No. 10,	North Adams.
Joseph A. Moore,	District Nos. 2, 3 and 6,	Roslindale.
Isaac S. Mullen,	District No. 3,	Boston.
Edward B. Putnam,	District No. 8,	Chelsea.
John J. Sheehan,	District No. 9,	Salem.
Malcolm Sillars,	District No. 4,	Danvers.
Henry Splaine,	District No. 9,	Dorchester.
John F. Tierney,	District No. 6,	Fall River.
Frank C. Wasley,	District No. 11,	Lowell.
John T. White,	District No. 1,	Arlington.
Fanny B. Ames,	Special duty,	Boston.
Mary E. Halley,	Special duty,	Lawrence.

Department of Inspection of Ready-made Clothing.

John E. Griffin,	District No. 1,	Boston.
John H. Plunkett,	District No. 2,	Boston.

Boiler Inspection Department.

Louis Amell,	District No. 3,	Worcester.
David H. Dyer,	District No. 2,	Fall River.
Charles Ferguson,	District No. 5,	Malden.
Thomas Hawley,	District No. 1,	Melrose.
John H. Kazar,	District No. 6,	Hyde Park.
George A. Lord,	District No. 4,	Springfield.

Detective Department.

Josiah A. Bean,	Northern District,	Natick.
Thomas A. Dexter,	Southern District,	Edgartown.
Daniel W. Hammond,	Eastern District,	Haverhill.
Alfred B. Hodges,	Southern District,	Taunton.
Simeon F. Letteney,	Southern District,	Hyannis.
Benson Munyan,	North western District,	Northampton.
Peleg F. Murray,	Middle District,	Worcester.
George C. Neal,	Eastern District,	Lynn.
Moses H. Pease,	Western District,	Lee.
George C. Pratt,	South-eastern District,	North Abington.
William H. Proctor,	Special duty,	Swampscott.
Frederick A. Rhoades,	Suffolk County,	Malden.
Jophanus H. Whitney,	Northern District,	Medford.

Clerk, JAMES P. CAMPBELL.

Assistant Clerk, JAMES W. HOITT.

Clerk of Storehouse, BELLE C. DAVIS.

Storehouse Employees, JOHN COUGHLAN and TERRANCE MCSWEENEY.

THE DISPOSITION OF FORFEITED LIQUORS.

Chapter 100, section 38, provides as follows : —

SECT. 38. Any liquors so forfeited shall, by the authority of the written order of the trial justice or court, be delivered to the chief of the district police. Said officer shall sell the same and pay over the net proceeds to the treasurer of the Commonwealth.

The Legislature of 1887 passed an act providing for the seizure of implements and furniture used in the illegal selling of intoxicating liquors, which is as follows : —

[CHAPTER 406.]

AN ACT PROVIDING FOR THE SEIZURE OF IMPLEMENTS AND FURNITURE
USED IN THE ILLEGAL SELLING OF INTOXICATING LIQUORS.

Be it enacted, etc., as follows :

SECTION 1. Section thirty of chapter one hundred of the Public Statutes is hereby amended by inserting after the word “contained” in the fifteenth line of said section the words : — and all implements of sale and furniture used in the sale of such liquor.

SECT. 2. Section thirty-three of chapter one hundred of the Public Statutes is hereby amended by inserting after the word “contained” in the third line of said section the words : — and all implements of sale and furniture used in the sale of such liquor.

SECT. 3. This act shall take effect upon its passage. [*Approved June 13, 1887.*]

I annex schedule showing the cities and towns from which the liquor has been received, and the quantity that has been turned over to me up to the present date.

Forfeited Liquors from Dec. 1, 1895, to Dec. 1, 1896.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Abington, . . .	13	47	2	-	-	95	2	-	-
Amesbury, . . .	2	3	1	-	-	4	1	-	-
Arlington, . . .	3	4	2	-	-	52	-	-	-
Ashburnham, . . .	1	-	-	-	-	-	1	-	-
Athol, . . .	3	-	2	-	-	-	1	-	-
Auburn, . . .	1	4	-	-	-	-	-	-	-
Avon, . . .	5	7	2	-	-	73	2	1	2
Ayer, . . .	5	6	2	1	2	87	1	1	-
Bedford, . . .	1	-	-	-	-	1	-	-	-
Bellingham, . . .	2	1	-	1	-	27	3	1	-
Belmont, . . .	1	-	-	-	2	28	2	-	-
Berlin, . . .	2	1	2	-	-	18	3	1	-
Beverly, . . .	10	29	1	1	-	66	-	-	-
Boston, . . .	725	448	-	-	2	5,586	3	1	3
Boylston, . . .	1	-	2	-	-	20	-	-	-
Braintree, . . .	3	1	-	-	-	21	-	-	-
Bridgewater, . . .	1	1	3	1	-	-	-	-	-
Brockton, . . .	123	173	2	1	2	651	-	-	3
Brookline, . . .	5	1	1	1	-	65	2	-	-
Cambridge, . . .	7	3	3	-	-	-	-	-	-
Chelmsford, . . .	1	4	1	1	-	39	-	-	-
Chelsea, . . .	31	25	2	-	2	214	3	1	2
Chester, . . .	2	2	3	-	-	7	-	-	-
Clinton, . . .	10	9	1	-	-	245	3	-	-
Dana, . . .	5	1	1	1	2	2	-	1	2
Danvers, . . .	6	3	1	1	1	185	-	-	-
Dedham, . . .	4	3	2	-	-	25	2	-	-
Dennis, . . .	3	2	1	1	-	7	-	-	-
Douglas, . . .	3	4	-	-	-	12	2	-	-
Dracut, . . .	2	-	2	-	-	8	3	-	-
East Bridgewater, . . .	1	-	1	-	-	2	-	-	-
Easton, . . .	1	-	-	-	-	10	-	-	-
Everett, . . .	2	1	1	-	-	-	2	-	2
Fall River, . . .	55	178	3	1	2	398	-	1	3
Fitchburg, . . .	11	24	1	1	-	27	-	-	-
Foxborough, . . .	1	-	1	-	-	-	-	-	1
Framingham, . . .	1	-	-	-	-	-	-	1	-
Franklin, . . .	7	16	3	-	-	31	-	-	-
Gardner, . . .	3	8	1	-	2	10	-	-	-
Gloucester, . . .	124	51	1	-	1	358	1	1	-
Great Barrington, . . .	1	-	-	-	-	2	-	-	-
Greenwich, . . .	1	24	1	1	-	25	-	-	-
Groton, . . .	1	-	2	-	-	15	2	-	-
Halifax, . . .	2	-	1	1	2	-	-	-	-
Hanover, . . .	1	-	1	-	1	-	-	-	-
Hardwick, . . .	2	-	2	-	-	6	-	-	-
Hingham, . . .	1	7	2	-	-	117	-	1	-
Holbrook, . . .	4	3	3	1	-	12	2	-	-
Holyoke, . . .	42	16	-	1	-	493	3	-	-
Hubbardston, . . .	1	-	-	1	1	-	-	-	-
Hull, . . .	5	-	1	1	-	14	-	-	-
Hyde Park, . . .	4	5	2	-	-	-	3	-	-

Forfeited Liquors, etc. — Continued.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Lancaster, . . .	1	—	—	—	—	—	—	—	2
Lawrence, . . .	1	7	—	—	—	—	—	—	—
Leicester, . . .	1	—	3	—	—	—	3	—	—
Lenox, . . .	2	—	—	—	—	260	—	—	—
Leominster, . . .	7	3	3	1	1	29	—	—	—
Lowell, . . .	52	29	—	—	2	92	—	1	1
Lynn, . . .	107	53	2	—	1	623	—	—	—
Malden, . . .	81	26	1	1	1	698	1	1	2
Mansfield, . . .	1	—	1	—	—	3	—	—	—
Marblehead, . . .	3	4	—	—	2	—	—	—	—
Marlborough, . . .	5	22	—	—	—	40	—	1	—
Medford, . . .	9	1	—	—	—	27	—	—	—
Medway, . . .	3	3	3	1	—	2	1	1	—
Melrose, . . .	7	—	2	—	—	127	—	—	—
Mendon, . . .	2	4	2	—	—	10	—	—	—
Methuen, . . .	1	—	—	—	—	—	1	1	—
Milford, . . .	8	3	1	1	—	23	2	1	2
Millbury, . . .	1	—	—	1	—	—	1	1	2
Millis, . . .	2	1	1	1	2	—	3	—	—
Norton, . . .	1	7	—	—	—	25	—	—	—
Nahant, . . .	12	5	—	—	—	259	2	—	—
Natick, . . .	6	5	—	—	3	26	1	—	—
Needham, . . .	1	—	—	—	—	6	1	—	—
New Bedford, . . .	16	6	1	1	2	21	1	1	2
Newburyport, . . .	5	2	2	1	2	12	—	—	—
Newton, . . .	16	6	—	—	—	96	—	—	—
North Adams, . . .	11	544	2	1	—	1,314	—	—	1
North Attleborough, . . .	1	—	3	—	—	3	—	—	—
Northborough, . . .	1	1	3	—	3	30	—	—	—
Northbridge, . . .	3	1	1	1	—	14	—	—	—
North Brookfield, . . .	4	5	1	1	—	18	—	1	—
Norwood, . . .	1	—	—	—	—	130	—	—	—
Peabody, . . .	15	12	1	—	3	68	2	1	2
Pepperell, . . .	1	—	—	—	—	14	—	—	—
Pittsfield, . . .	2	5	—	—	—	103	—	—	—
Plymouth, . . .	2	9	1	1	2	17	—	—	—
Princeton, . . .	1	—	3	1	—	8	2	—	—
Quincy, . . .	10	86	3	1	2	98	—	—	2
Randolph, . . .	5	10	2	—	—	96	2	—	—
Raynham, . . .	1	—	—	—	—	3	—	—	—
Reading, . . .	1	3	—	1	—	59	2	1	—
Revere, . . .	48	9	—	1	2	278	—	1	—
Rockland, . . .	7	3	—	—	—	22	—	—	—
Rockport, . . .	3	15	—	—	2	32	3	—	—
Royalston, . . .	3	4	—	—	—	24	2	—	—
Russell, . . .	1	—	—	—	—	7	—	—	—
Salem, . . .	31	53	3	1	—	212	3	—	—
Saugus, . . .	7	5	—	1	3	10	2	1	—
Scituate, . . .	2	—	2	—	—	—	3	1	3
Shrewsbury, . . .	1	3	—	—	—	23	—	—	—
Somerville, . . .	31	17	2	—	3	103	3	—	2
Southborough, . . .	1	8	—	—	—	11	2	—	—

Forfeited Liquors, etc. — Concluded.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
South Hadley,	1	—	—	—	—	10	—	—	—
Springfield,	38	36	2	—	2	188	—	—	3
Sterling,	1	17	3	1	2	18	—	—	—
Stoneham,	8	5	—	1	2	10	2	—	—
Sudbury,	2	—	—	1	3	—	—	—	—
Sutton,	1	—	1	1	—	—	—	1	—
Taunton,	10	7	—	—	1	152	1	1	—
Templeton,	3	6	—	—	3	59	—	—	2
Upton,	2	1	3	—	1	11	—	—	—
Uxbridge,	4	1	3	1	—	7	—	—	—
Warren,	9	35	2	1	3	12	1	1	—
Washington,	1	5	2	—	—	—	—	—	—
Watertown,	1	—	—	—	—	2	2	—	—
Westborough,	2	—	—	—	1	31	1	1	—
West Brookfield,	2	9	1	—	—	34	—	—	—
Westminster,	1	—	—	1	1	2	—	—	—
Weymouth,	15	12	1	1	3	72	1	1	—
Whitman,	7	3	1	1	2	70	3	—	—
Winchendon,	4	11	2	—	—	24	2	—	—
Winchester,	2	—	1	—	—	5	3	—	—
Winthrop,	4	—	1	—	—	139	3	1	—
Woburn,	32	2	2	1	1	173	2	—	3
Worcester,	96	21	2	—	—	336	2	1	—
Total,	2,045	2,282	3	—	3	15,497	2	1	3

Liquors and vessels containing the same that have been seized and forfeited by virtue of said act I have sold, and have paid to the treasurer of the Commonwealth eleven hundred dollars.

Appropriations and Expenditures.

	Appropriations.	Expenditures.
Compensation of officers,	\$69,500 00	\$67,836 41
Travel,	20,800 00	19,486 54
Contingent,	2,000 00	1,969 99
	\$92,300 00	\$89,292 94
Amount expended less than appropriations,		3,007 06

Amount received through boiler inspection department, as fees for examination of engineers and inspection of boilers, and paid into the State treasury, \$6,628 00

CONCLUSION.

As I have stated, this is the eighteenth annual report which I have had the honor to submit to the Chief Magistrate of the Commonwealth. During this entire period it has been my purpose and aim to make the work of the district police conform strictly to the laws the enforcement of which has been entrusted to this department.

I am pleased to be able to report that the discipline of the force leaves nothing to be desired. Its workings have been in harmony, and the officials have shown an earnest purpose to perform their duties faithfully.

I desire to renew the expression of my obligation to the law department of the State government for its advice when sought for.

Respectfully submitted,

RUFUS R. WADE,

Chief Massachusetts District Police.

INDEX.

	PAGE
Inspection department,	7
Inspection of uninsured boilers,	8
Ventilation of factories, workshops, school-houses and public buildings,	17
Description of plans for ventilation of a four-room school-house, by Inspector John T. White,	21
Description of plans for ventilation of a two-story, eight-room grammar school building, by Inspector Joseph A. Moore,	23
Heating and ventilation in the Johnson school-house, North Adams, Mass., by Inspector Frederick W. Merriam,	29
Description of plans showing the heating and ventilation of the New Union Church, Worcester, Mass., by Inspector Joseph M. Dyson,	31
Heating and ventilation of Crocker and Normal halls, State Normal School, South Framingham, Mass.,	32
Tenement-house clothing,	34
Steam and hand laundries,	36
Hours of labor of women and minors in manufacturing and mercantile establishments,	37
Heating of street railway cars,	40
Summary of inspection work,	44
Report of Inspector John T. White,	44
Report of Inspector Henry J. Bardwell,	49
Report of Inspector Joseph A. Moore,	53
Report of Inspector Edwin Y. Brown,	57
Report of Inspector Joseph M. Dyson,	61
Report of Inspector John E. Foulds,	64
Report of Inspector Warren S. Buxton,	71
Report of Inspector Ansel J. Cheney,	74
Report of Inspector Henry Splaine,	84
Report of Inspector Frederick W. Merriam,	91
A model Massachusetts cotton mill,	94
Report of Inspector Joseph Halstrick,	96
Report of Inspector Isaac S. Mullen,	103
Report of Inspector Malcolm Sillars,	107
Report of Inspector Louis F. F. Abbott,	118
Report of Inspector John F. Tierney,	122

	PAGE
Report of Inspector John L. Knight,	136
Report of Inspector Edward B. Putnam,	148
Report of Inspector John J. Sheehan,	173
Report of Inspector James R. Howes,	187
Report of Inspector Frank C. Wasley,	196
Report of Inspectress Fanny B. Ames,	215
Report of Inspectress Mary E. Halley,	224
Report of Inspector John E. Griffin,	227
Report of Inspector John H. Plunkett,	234
Elevators inspected,	239
Report of Inspector Thomas Hawley,	257
Report of Inspector David H. Dyer,	264
Report of Inspector Louis Amell,	268
Report of Inspector George A. Lord,	275
Report of Inspector Charles Ferguson,	305
Report of Inspector John H. Kazar,	312
Report of accidents,	319
Increase of crime among juveniles,	335
Report of work performed by the detective department,	338
Enforcement of the law relating to fish and game,	349
Roster of district police,	352
Disposition of forfeited liquors,	353
Appropriations and expenditures,	356

